SONY

User guide

Xperia™ E

C1505/C1504

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Xperia™ E User guide

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Getting started

What is Android™?

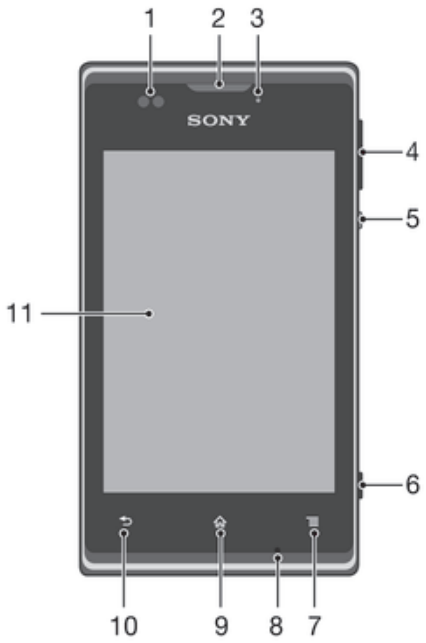
Your Xperia smartphone from Sony runs on the Android platform. Android phones can perform many of the same functions as a computer and you can customize them to your own needs. For example, you can add and delete applications, or enhance existing applications to improve functionality. On Google Play™, you can download a range of applications and games from a constantly growing collection. You can also integrate applications on your Android™ phone with other applications and with online services that you use. For example, you can back up your phone contacts, access your different email accounts and calendars from one place, keep track of your appointments, and engage in social networking.

Android™ phones are constantly evolving. When a new software version is available and your phone supports this new software, you can update your phone to get new features and the latest improvements.

Your Android™ phone is pre-loaded with Google™ services. To get the most out of the provided Google™ services, you should have a Google™ account and sign in to it when you first start your phone. You also need to have Internet access to use many of the features in Android™.

New software releases may not be compatible with all phones.

Phone overview



1	Proximity sensor
2	Ear speaker
3	Notification light
4	Volume/Zoom key
5	Power key
6	Camera key
7	Menu key
8	Microphone

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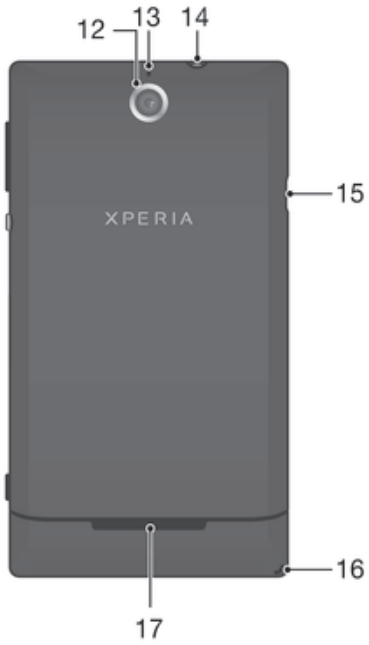
9	Home key
10	Back key
11	Touchscreen



12	Camera lens
13	Second microphone
14	Headset jack (CTIA standard)
15	Port for charger/USB cable
16	Strap hole
17	Speaker

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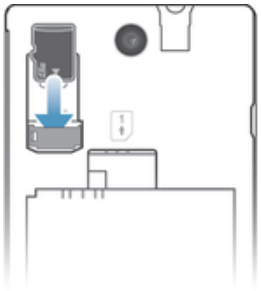
Assembly

To remove the battery cover

- Using your thumbs, slide the battery cover off the phone.

To insert a memory card



- Remove the battery cover and insert the memory card with the gold-colored contacts facing down.

To remove the memory card

1 Turn off the phone.
2 Remove the battery cover and the battery.
3 Press down on the plastic clip that holds the memory card in place. While keeping the clip pressed down, use a fingernail to slide the memory card out.

To insert the SIM card

! Do not insert an incompatible SIM card in the SIM card slot. Doing so could permanently damage your SIM card or your phone.

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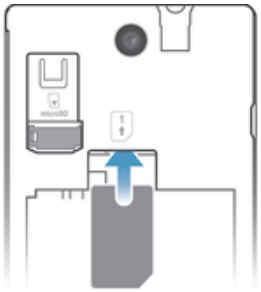
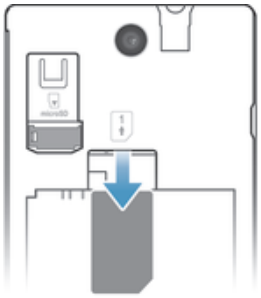


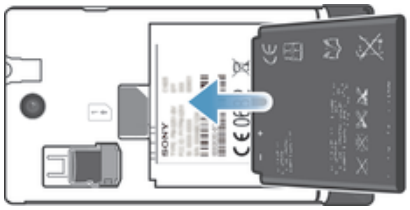
- Remove the battery cover, then insert the SIM card into its slot with the gold-colored contacts facing down.

To remove the SIM card



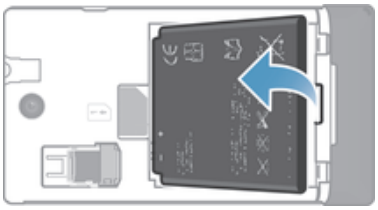
1. Remove the battery cover and the battery.
2. Place the tip of your finger on the SIM card and slide it out of its slot.

To insert the battery



1. Remove the battery cover.
2. Insert the battery with the battery usage labels facing up and the connectors facing each other.

To remove the battery



1. Remove the battery cover.
2. Place the tip of your finger into the opening on the bottom side of the battery and lift up the battery.

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To attach the battery cover

1 Place the cover over the back of the phone, then fit it into the slots.
2 Slide the cover downward.

Turning the phone on and off

To turn on the phone

1 Press and hold down the power key on the right side of the phone until the phone vibrates.
2 If your screen goes dark, briefly press the power key to activate the screen.
3 To unlock the screen, drag to the right across the screen.
4 Enter your SIM card PIN when requested, and select **OK**.
5 Wait a while for the phone to start.

Your SIM card PIN is initially supplied by your network operator, but you can change it later from the **Settings** menu. To correct a mistake made entering your SIM card PIN, tap .

To turn off the phone

1 Press and hold down the power key until the options menu opens.
2 In the options menu, tap **Power off**.
3 Tap **OK**.

It may take a while for the phone to shut down.

Screen lock

When your phone is on and left idle for a set period of time, the screen darkens to save battery power, and locks automatically. This lock prevents unwanted actions on the touch screen when you are not using it.

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To activate the screen

- Briefly press the power key .

To unlock the screen

- Drag to the right across the screen.

To lock the screen manually

- When the screen is active, briefly press the power key .

Setup guide

The first time you start your phone, a setup guide opens to explain basic phone functions and helps you enter essential settings. This is a good time to configure the phone to your specific needs. You can also access the setup guide later from the Application screen.

To access the setup guide manually

1. From the **Home screen**, tap .
2. Tap **Settings** > **Setup guide**.

Accounts and services

Sign in to your online service accounts from your phone and benefit from a range of services. Combine services and get even more out of them. For example, collect contacts from your Google™ and Facebook™ accounts and integrate them into your phonebook, so you have everything in one place.

You can sign up to online services from your phone as well as from a computer. When you sign up for the first time, an account is created with your user name, password, settings and personal information. The next time you sign in, you get a personalized view.

Google™ account

Having a Google™ account is key to using a range of applications and services with your Android phone. You need a Google™ account, for example, to use the **Gmail™** application in your phone, to chat with friends using Google Talk™, to synchronize your phone calendar with your Google Calendar™, and to download applications and games, music, movies and books from Google Play™.

Microsoft® Exchange ActiveSync® account

Synchronize your phone with your corporate Microsoft® Exchange ActiveSync® account. This way, you keep your work email, contacts, and calendar events with you at all times.

Facebook™ account

Facebook™ is a social networking service that connects you with friends, family and colleagues around the world. Set up Facebook to work on your phone so that you can stay in touch from anywhere.

SyncML™ account

Synchronize your phone with an Internet server using SyncML™. View and manage contacts, calendar events and bookmarks from your phone just as easily as you would from a computer.

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Getting to know your phone

Using the keys

	Back • Go back to the previous screen • Close the on-screen keypad, a dialog box, an options menu, or the Notification panel
	Home • Go to the **Home screen** • Press and hold to open a window showing your most recently used applications
	Menu • Open a list of options available in the current screen or application

Battery

Charging the battery

Your phone battery is partly charged when you buy the phone. It may take a few minutes before the battery icon appears on the screen when you connect the phone charger cable to a power source, such as a USB port or a phone charger. You can still use your phone while it is charging. Charging the phone over a long period of time, for example, overnight, does not damage the battery or the phone.

! The battery will start to discharge a little after it is fully charged and then it charges again after a certain time when the phone charger is connected. This is to extend battery life and may result in the charge status showing a level below 100 percent.

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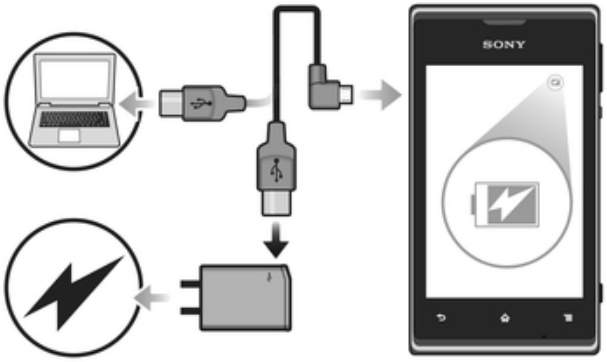
To charge your device



1. Plug the charger into a power outlet.
2. Plug one end of the USB cable into the charger (or into the USB port of a computer).
3. Plug the other end of the cable into the micro USB port on your device, with the USB symbol facing up. The battery status LED lights up when charging starts.
4. When the battery status LED is green, the device is fully charged. Disconnect the USB cable from your device by pulling it straight outward. Make sure not to bend the connector when removing the cable from the device.

If the battery is completely discharged, it may take a few minutes before the LED lights up after you connect the charger cable to a power source.

Battery LED status

Green	The battery is fully charged
Flashing red	The battery level is low
Orange	The battery is charging. The battery level is between low and full

To check the battery level

1. From your **Home screen**, tap .
2. Find and tap **Settings** > **About phone** > **Status** > **Battery level**.

Improving battery performance

The following tips can help you improve battery performance:

- Charge your device often. This will not affect the lifetime of the battery.
- Downloading data from the Internet is power consuming. When you're not using the Internet, you can save power by disabling all data connections over mobile networks. You can do this from **Settings** > **More…** > **Mobile networks** > **Mobile data traffic**. This setting does not prevent your device from transmitting data over other wireless networks.
- Turn off GPS, Bluetooth™, and Wi-Fi® when you don't need these features. You can turn them on and off more easily by adding the Quick settings widget to your **Home screen**. You do not need to turn off 3G.
- Set your synchronization applications (used to synchronize your email, calendar, and contacts) to synchronize manually. You can also synchronize automatically, but increase the synchronization intervals.
- Check the battery usage menu in the device to see which applications use the most power. Your battery consumes more power when you use video and music streaming applications, such as YouTube™. Some Android Market™ applications also consume more power.
- Close and exit applications that you are not using.
- Lower the screen display brightness level.
- Turn off your device or use **Airplane mode** if you are in an area with no network coverage. Otherwise, your device repeatedly scans for available networks, and this consumes power.

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- Use a Sony original handsfree device to listen to music. Handsfree devices demand less battery power than the device's loudspeakers.
- Keep your device in standby whenever possible. Standby time refers to the time during which the device is connected to the network and is not being used.

To access the battery usage menu

1. From your **Home screen**, tap .
2. Find and tap **Settings** > **Battery** to see which installed applications consume the most battery power.

To add the Data traffic widget to your Home screen

1. From your **Home screen**, press .
2. Tap **Add** > **Widgets** > **Tools**.
3. Flick left to find and select the **Mobile data** widget. You can now turn your data connection on and off more easily.

To add the Quick settings widget to your Home screen

1. From your **Home screen**, press .
2. Tap **Add** > **Widgets** > **Tools**.
3. Select the**Quick settings** widget.

Reducing battery consumption with Power Saver

Use pre-set power saving modes to manage power consuming applications and reduce battery consumption. With Power Saver, you can also customize the settings within each power saving mode to the way you use your phone.

To activate a power saving mode

1. From your **Home screen**, tap .
2. Find and tap **Power Saver**.
3. Tap the icon next to the power saving mode that you want to activate.

To deactivate a power saving mode

1. From your **Home screen**, tap .
2. Find and tap **Power Saver**.
3. Tap the illuminated icon next to the active power saving mode to turn it off.

To change the settings for a power saving mode

1. From your **Home screen**, tap .
2. Find and tap **Power Saver**.
3. To open the settings menu, tap the name of a power saving mode.
4. Adjust the settings as desired to save power.
5. Tap .

To display power saver notifications

1. From your **Home screen**, tap .
2. Find and tap **Power Saver**.
3. Tap .
4. Mark the **Status bar** checkbox.

Using the touchscreen

A protective plastic sheet is attached to the screen of your phone when you buy it. You should peel off this sheet before using the touchscreen. Otherwise, the touchscreen might not function properly.

When your phone is on and left idle for a set period of time, the screen darkens to save battery power, and locks automatically. This lock prevents unwanted actions on the

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touchscreen when you are not using it. You can also set personal locks to protect your subscription and make sure only you can access your phone content.

! Your phone screen is made from glass. Do not touch the screen if the glass is cracked or shattered. Avoid trying to repair a damaged screen yourself. Glass screens are sensitive to drops and mechanical shocks. Cases of negligent care are not covered by the Sony warranty service.

To open or highlight an item

- Tap the item.

Marking options

☑	Marked checkbox
☐	Unmarked checkbox
◉	Marked list option
◎	Unmarked list option

To mark or unmark options

- Tap the relevant checkbox or list option.

Zooming

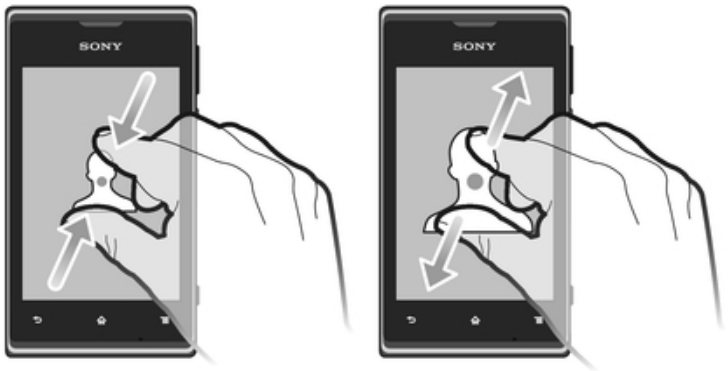
The zoom options available depend on the application you are using.

To zoom

- When available, tap + or − to zoom in or out.

! You may have to drag the screen (in any direction) to make the zoom icons appear.

To zoom with two fingers



- Place two fingers on the screen at once and pinch them together (to zoom out) or spread them apart (to zoom in).

Use the zoom function when viewing photos and maps, or when browsing the web.

Scrolling

Scroll by moving your finger up or down on the screen. On some web pages you can also scroll to the sides.

! Dragging or flicking will not activate anything on the screen.

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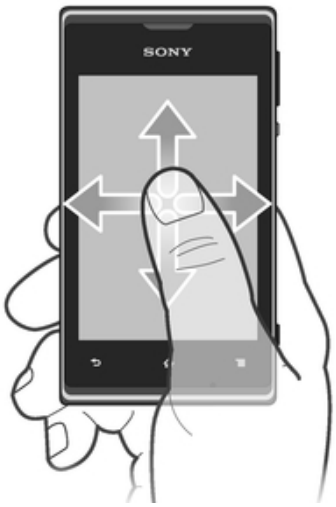
To scroll



- Drag or flick your finger in the direction you want to scroll on the screen.

To scroll more quickly, flick your finger in the direction you want to go on the screen.

To flick

- To scroll more quickly, flick your finger in the direction you want to go on the screen. You can wait for the scrolling movement to stop by itself, or you can stop it immediately by tapping the screen.

Sensors

Your device has sensors that detect proximity. The proximity sensor turns the touch screen off during voice calls when your ear is close to the screen. This prevents you from unintentionally activating other functions on your device when you are engaged in a call.

Home screen

Your phone's **Home screen** is the equivalent of the desktop on a computer. It's the gateway to your phone's main features. You can customize your **Home screen** with widgets, shortcuts, folders, themes, wallpaper, and other items.

The **Home screen** extends beyond the regular screen display width, so you need to flick left or right to view content in one of the screen's four extensions. ○○●○○ shows which part of the **Home screen** you are in.

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The items in the bar at the bottom of the screen are always available for quick access.

To go to the Home screen

- Press ⌂.

To browse the Home screen

- Flick right or left.

To share an item from your Home screen

1. Press ⌂ to open your **Home screen**.
2. Touch and hold an item until it magnifies and the phone vibrates, then drag the item to .
3. Select an option and confirm, if necessary. You can now share the applications and widgets you like with your friends so they can download and use them.

Widgets

Widgets are small applications that you can use directly on your **Home screen**. For example, the Music player widget allows you to start playing music directly.

Some widgets are resizable, so you can expand them to view more content or shrink them to save space on your **Home screen**.

To add a widget to the Home screen

1. From your **Home screen**, press ☰.
2. Tap **Add** > **Widgets**.
3. Tap a widget.

To resize a widget

1. Touch and hold a widget until it magnifies and the phone vibrates, then release the widget. If the widget can be resized, for example, the Calendar widget, then a highlighted frame and resizing dots appear.
2. Drag the dots inward or outward to shrink or expand the widget.
3. To confirm the new size of the widget, tap anywhere on the **Home screen**.

To get an overview of all widgets on your Home screen

- Pinch on any area of your **Home screen**. All widgets from different parts of your **Home screen** are now displayed in one view.

When all **Home screen** widgets are combined in one view, tap on any widget to go to the part of the **Home screen** containing that widget.

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Rearranging your Home screen

Customize the appearance of your Home screen and change the features you can access from it. Change the screen background, move items around, create folders, and add shortcuts to contacts.

To open the options menu of your Home screen

You can open the **Home screen** options menu in two ways:

- From your **Home screen**, press .
- Touch and hold on any part of your **Home screen**.

To add a shortcut to the Home screen

1. From your **Home screen**, press .
2. Tap **Add** > **Shortcuts**.
3. Find and select a shortcut.

Add an application shortcut directly from the Application screen by touching and holding the application.

To move an item on the Home screen

1. Press to open your **Home screen**.
2. Touch and hold an item until it magnifies and the phone vibrates, then drag the item to the new location.

To delete an item from the Home screen

- Touch and hold an item until it magnifies and the phone vibrates, then drag the item to .

To add a folder to the Home screen

1. From your **Home screen**, press .
2. Tap **Add** > **Folder**.
3. Enter a name for the folder and tap **Done**.

Drag and drop an item on top of another item on your Home screen to create a folder automatically.

To add items to a folder

- Touch and hold an item until it magnifies and the phone vibrates, then drag the item to the folder.

To rename a folder

1. Tap the folder to open it.
2. Touch the folder's title bar to show the **Folder name** field.
3. Enter the new folder name and tap **Done**.

Changing the background of your Home screen

Adapt the **Home screen** to your own style using wallpapers and different themes.

To change your Home screen wallpaper

1. From your **Home screen**, press .
2. Tap **Wallpaper**, then select a wallpaper.

You can use a photo you have taken, or an animation. Go to Google Play™ and other sources to download, for example, live wallpapers that change with the changing hours of the day.

To set a theme

1. From your **Home screen**, press .
2. Tap **Theme**, then select a theme.

When you change a theme, the background also changes in some applications.

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Accessing and using applications

Open applications from shortcuts on your **Home screen** or from the Application screen.

Application screen

The Application screen, which you open from your **Home screen**, contains the applications that come installed with your phone as well as the applications you download.

The Application screen extends beyond the regular screen width, so you need to flick left and right to view all content.

To open the Application screen

- From your **Home screen**, tap .

To browse the Application screen

- Open the Application screen, then flick right or left.

To create a shortcut to an application on the Home screen

1. From your **Home screen**, tap .
2. Touch and hold an application until it appears on your **Home screen**, then drag it to the desired location.

To share an application from your Application screen

1. From your **Home screen**, tap .
2. Touch and hold an application until it appears on your **Home screen**, then drag the item to .
3. Select an option and confirm, if necessary. You can now share the applications you like with your friends so they can download and use them.

Opening and closing applications

To open an application

- From your **Home screen** or the Application screen, tap the application.

To close an application

- Press .

Some applications are paused when you press to exit, while other applications may continue to run in the background. In the first case, the next time you open the application, you can continue where you left off. Remember that some applications may cause data connection charges when they are running in the background, for example, social networking services.

Recently used applications window

You can view and access recently used applications from this window.

To open the recently used applications window

- Press and hold down .

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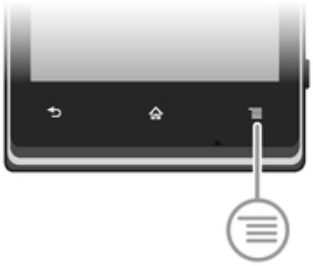
Application menu

You can open a menu at any time when you are using an application by pressing the key on your phone. The menu will look different depending on which application you are using.



To open a menu in an application

- While using the application, press .

! A menu is not available in all applications.

Rearranging your Application screen

Move the applications around on the Application screen according to your preferences.

To arrange applications on the Application screen

1 From your **Home screen**, tap to go to the Application screen.
2 Tap and select an option.

To move an application on the Application screen

1 Open the Application screen, then tap .
2 Touch and hold an item until it magnifies and the phone vibrates, then drag the item to the new location.
3 Tap to exit edit mode.

! You can only move your applications when is selected.

To uninstall an application from the Application screen

1 From your **Home screen**, tap .
2 Tap . All uninstallable applications are marked with a icon.
3 Tap the application you want to uninstall, then tap **OK**.

Status and notifications

The status bar at the top of your screen shows what's going on in your phone. To the left you get notifications when there is something new or ongoing. For example, new message and calendar notifications appear here. The right side shows the signal strength, battery status, and other information.

The status bar allows you to adjust basic settings on your phone, for example, Wi-Fi®, Bluetooth™, data traffic, and sound. You can also open the settings menu from the Notification panel to change other settings.

A notification light also gives you battery status information and some notifications. For example, a flashing blue light means there is a new message or a missed call. The notification light may not work when the battery level is low.

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Checking notifications and ongoing activities

You can drag down the status bar to open the Notification panel and get more information. For example, you can use the panel to open a new message or view a calendar event. You can also open some applications that run in the background, such as the music player.

To open the Notification panel

- Drag the status bar downwards.

To close the Notification panel

- Drag the tab at the bottom of the Notification panel upward.

To open a running application from the Notification panel

- Tap the icon for the running application to open it.

To dismiss a notification from the Notification panel

- Place your finger on a notification and flick left or right.

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To clear the Notification panel

- From the Notification panel, tap **Clear**.

Setting your phone from the Notification panel

You can open the settings menu from the Notification panel to adjust basic phone settings. For example, you can turn on Wi-Fi®.

To open the phone settings menu from the Notification panel

1. Drag the status bar downwards.
2. Tap .

To adjust sound settings from the Notification panel

1. Drag the status bar downwards.
2. Tap .

To control the Bluetooth™ function from the Notification panel

1. Drag the status bar downwards.
2. Tap .

To control the Wi-Fi® function from the Notification panel

1. Drag the status bar downwards.
2. Tap .

To enable or disable data traffic from the Notification panel

1. Drag the status bar downwards.
2. Tap .

Phone settings menu

View and change your phone settings from the Settings menu.

To access the phone settings

1. From the **Home screen**, tap .
2. Tap **Settings**.

Typing text

On-screen keyboard

Tap the keys of the on-screen QWERTY keyboard to enter text conveniently. Some applications open the on-screen keyboard automatically. You can also open this keyboard by touching a text field.

Using the on-screen keyboard

1 Change the character case and turn on the caps lock. For some languages, this key is used to access extra characters in the language.

2 Close the on-screen keyboard view

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3 Display numbers and symbols. Touch and hold to display smileys.

4 Enter a space

5 Open the input settings menu to change, for example, the **Writing languages**. This key also changes the writing language when more than one input language is selected.

6 Enter a carriage return or confirm text input

7 Delete a character before the cursor

All illustrations are for illustration purposes only and may not accurately depict the actual phone.

To display the on-screen keyboard to enter text

- Tap a text entry field.

To hide the on-screen keyboard

- When the on-screen keyboard is open, press ⮌.

To use the on-screen keyboard in landscape orientation

- When you enter text, turn the phone sideways.

For the keyboard to support this feature, landscape mode must be supported by the application you are using, and your screen orientation settings must be set to automatic.

To enter text using the on-screen keyboard

- To enter a character visible on the keyboard, tap the character.
- To enter a character variant, touch and hold a regular keyboard character to get a list of available options, then select from the list. For example, to enter "é", touch and hold "e" until other options appear, then, while keeping your finger pressed on the keyboard, drag to and select "é".

To shift between upper-case and lower-case letters

- Before you enter a letter, tap ⇧ to switch to upper-case ⬆, or vice versa.

To turn on the caps lock

- Before you type a word, tap ⇧ or ⬆ until ⇪ appears.

To enter numbers or symbols

- When you enter text, tap 12!?. A keyboard with numbers and symbols appears. Tap +=$ to view more options.

To enter common punctuation marks

1. When you finish entering a word, tap the space bar.
2. Select a punctuation mark from the candidate bar. The selected mark is inserted before the space.

To quickly enter a full stop, tap the space bar twice when you finish entering a word.

To insert a smiley

1. When you enter text, touch and hold 12!?.
2. Select a smiley.

To delete characters

- Tap to place the cursor after the character you want to delete, then tap ⌫.

To enter a carriage return

- When you enter text, tap ↵ to enter a carriage return.

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To select text

1 Enter some text, then tap and hold the text. The word you tap gets highlighted by tabs on both sides.
2 Drag the tabs left or right to select more text.

To edit text in portrait orientation

1 When you enter text, touch and hold the text field until an application bar appears.
2 Select the text you want to edit, and then use the application bar to make your desired changes.

! To paste text from the clipboard, you can also hold the text field until **Paste** appears, then tap **Paste**.

Application bar

1	Close the application bar
2	Select all text
3	Cut text
4	Copy text
5	Paste text

! only appears when you have text stored on the clipboard.

Using the Gesture input function to write words

You can input text by sliding your finger from letter to letter on the on-screen keyboard. You can lift your finger between words so that the phone recognizes them.

! **Gesture input** is only available when you use the on-screen keyboard.

To enter text using the Gesture input function

1 When you enter text using the on-screen keyboard, slide your finger from letter to letter to trace the word you want to write. Lift up your finger when you've finished entering a word.
2 The phone suggests a word based on the letters you have traced. If necessary, select the correct word in the candidate bar. To view more options, scroll right or left in the word candidate bar. If you cannot find the desired word, tap once to delete the entire word. Then try again to trace the word using **Gesture input**, or tap each letter to enter the word.
3 If the **Space between gestures** setting is activated, trace the next word that you want to enter. If not, tap the space bar and then trace the next word you want to enter.

To enter joined compound words when the **Space between gestures** setting is activated, you may need to slide to enter the first part of the word, then tap each letter to enter the rest of the word.

To change the Gesture input settings

1 When you enter text using the on-screen keyboard, tap . If you have selected more than one writing language, touch and hold .
2 Tap **Text input settings**.
3 Mark or unmark the **Gesture input** checkbox.
4 If you want to automatically add a space between gestures without having to tap the space bar each time, mark the **Space between gestures** checkbox.

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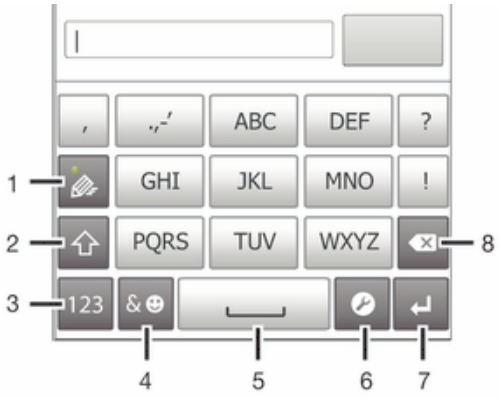
Phonepad

The Phonepad is similar to a standard 12-key telephone keypad. It gives you predictive text and multi-tap input options. You can activate the Phonepad text input method via the keyboard settings. The Phonepad is only available in portrait orientation.

Using the Phonepad



1 Choose a text input option

2 Change the character case and turn on the caps lock

3 Display numbers

4 Display symbols and smileys

5 Enter a space

6 Open the input settings menu to change, for example, the **Writing languages**. This key also changes the writing language when more than one input language is selected.

7 Enter a carriage return or confirm text input

8 Delete a character before the cursor

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To open the Phonepad for the first time

1 Tap a text entry field, then tap , or touch and hold if you have already selected more than one input language.
2 Tap **Keyboard layout** and select an option.

Once you've chosen the keyboard layout option, you can simply activate the Phonepad by tapping a text entry field.

To switch between the on-screen keyboard and the Phonepad

1 When you enter text, tap , or touch and hold if you have already selected more than one input language.
2 Tap **Keyboard layout** and select an option.

Remember the Phonepad is only available in portrait orientation.

To enter text using the Phonepad

When using the Phonepad, you can choose from two input options:

- When appears in the Phonepad, tap each character key only once, even if the letter you want is not the first letter on the key. Tap the word that appears or tap to view more word suggestions and select a word from the list.
- When appears in the Phonepad, tap the on-screen key for the character you want to enter. Keep pressing this key until the desired character is selected. Then do the same for the next character you want to enter, and so on.

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To enter numbers using the Phonepad

- When the Phonepad is open, tap 123. A Phonepad with numbers appears.

To insert symbols and smileys using the Phonepad

1. When the Phonepad is open, tap &☺. A grid with symbols and smileys appears.
2. Scroll up or down to view more options. Tap a symbol or smiley to select it.

Keyboard and Phonepad settings

You can select settings for the on-screen keyboard and the Phonepad, such as writing language and automatic correction.

To access the keyboard and the Phonepad settings

- When you enter text using the on-screen keyboard or Phonepad, tap . If you have selected more than one writing language, touch and hold instead.

To change the writing language using the on-screen keyboard or the Phonepad

1. When you enter text, tap , or touch and hold if you have already selected more than one input language.
2. Tap **Writing languages** and select the languages you want to use for writing.
3. If you have selected more than one input language, tap to switch between the selected writing languages.

To switch keyboards

1. When you enter text, drag the status bar downward to open the Notification panel.
2. Tap **Select input method**, and select an option.

Text input settings

When entering text, you can access a text input settings menu that helps you set options for text prediction. For example, you can decide how you want the phone to present word alternatives and correct words as you type, or enable the text input application to remember new words you write.

To change the text input settings

1. When you enter text using the on-screen keyboard or the Phonepad, tap , or touch and hold .
2. Tap **Text input settings**.
3. Select the desired settings.

Customizing your phone

Adapt the phone to your needs by adjusting, for example, your personal ringtone, phone language and your Privacy settings.

Adjusting the volume

You can adjust the ringtone volume for phone calls and notifications as well as for music and video playback.

To adjust the ring volume with the volume key

- Press the volume key up or down.

To adjust the media playing volume with the volume key

- When playing music or watching video, press the volume key up or down.

To set the phone to silent mode

1. From your **Home screen**, tap .
2. Find and tap **Settings** > **Sound**.
3. Select **Silent mode**, then select **Mute**.

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To set the phone to vibrate mode

1 From your **Home screen**, tap .
2 Find and tap **Settings** > **Sound**.
3 Select **Silent mode**, then select **Vibrate**.

To set the phone to vibrate and ring mode

1 From your **Home screen**, tap .
2 Find and tap **Settings** > **Sound**.
3 Select **Silent mode**, then select **Off**.
4 Mark the **Vibrate when ringing** checkbox.

To enhance the speaker loudness

1 From your **Home screen**, tap .
2 Find and tap **Settings** > **Sound**.
3 Mark the **xLOUD™** checkbox.

Time and date

You can change the time and date in your phone.

To set the date manually

1 From your **Home screen**, tap .
2 Find and tap **Settings** > **Date & time**.
3 Unmark the **Automatic date & time** checkbox, if it is marked.
4 Tap **Set date**.
5 Adjust the date by scrolling up and down.
6 Tap **Set**.

To set the time manually

1 From your **Home screen**, tap .
2 Find and tap **Settings** > **Date & time**.
3 Unmark the **Automatic date & time** checkbox if it is marked.
4 Tap **Set time**.
5 Scroll up or down to adjust the hour and minute.
6 If applicable, scroll up to change **AM** to **PM**, or vice versa.
7 Tap **Set**.

To set the time zone

1 From your **Home screen**, tap .
2 Find and tap **Settings** > **Date & time**.
3 Unmark the **Automatic time zone** checkbox, if it is marked.
4 Tap **Select time zone**.
5 Select an option.

To set the date format

1 From your **Home screen**, tap .
2 Find and tap **Settings** > **Date & time** > **Select date format**.
3 Select an option.

Ringtone settings

To set a phone ringtone

1 From your **Home screen**, tap .
2 Find and tap **Settings** > **Sound** > **Phone ringtone**.
3 Select a ringtone.
4 Tap **Done**.

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To enable touch tones

1 From your **Home screen**, tap .
2 Find and tap **Settings** > **Sound**.
3 Mark the **Dial pad touch tones** and **Touch sounds** checkboxes.

To select a notification ringtone

1 From your **Home screen**, tap .
2 Find and tap **Settings** > **Sound** > **Default notification**.
3 Select a ringtone.
4 Tap **Done**.

Screen settings

To adjust the screen brightness

1 From your **Home screen**, tap .
2 Find and tap **Settings** > **Display** > **Brightness**.
3 Drag the slider to adjust the brightness.
4 Tap **OK**.

The brightness level affects your battery performance. For tips on how to improve battery performance, see *Improving battery performance*.

To set the screen to vibrate

1 From your **Home screen**, tap .
2 Find and tap **Settings** > **Sound**.
3 Mark the **Vibrate on touch** checkbox. The screen now vibrates when you tap soft keys and certain applications.

To adjust the idle time before the screen turns off

1 From your **Home screen**, tap .
2 Find and tap **Settings** > **Display** > **Sleep**.
3 Select an option.

To turn off the screen quickly, briefly press the power key .

To keep the screen active while the phone is charging

1 From the **Home screen**, tap .
2 Find and tap **Settings** > **Developer options**.
3 Mark the **Stay awake** checkbox.

Phone language

You can select a language to use in your phone.

To change the phone language

1 From your **Home screen**, tap .
2 Find and tap **Settings** > **Language & input** > **Language**.
3 Select an option.

If you select the wrong language and cannot read the menu texts, find and tap the **Settings** icon . Then select the entry beside , and select the first entry in the following menu. You can then select the language you want.

Flight mode

In Airplane mode, your phone's network and radio transceivers are turned off to prevent disturbance to sensitive equipment. However, you can still play games, listen to music, watch videos and other content, as long as all this content is saved on your memory card or internal storage. You can also be notified by alarms, if alarms are activated.

Turning on Airplane mode reduces battery consumption.

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To turn on Airplane mode

1 From your **Home screen**, tap .
2 Find and tap **Settings** > **More…**.
3 Mark the **Airplane mode** checkbox.

You can also select **Airplane mode** from the **Phone options** menu. To access the **Phone options** menu, press and hold down the power key .

Memory

You can save content to a memory card, to your phone's internal storage, and to the phone memory. Music, video clips, and photos are saved to the internal storage or the memory card while applications, contacts, and messages are saved to the phone memory.

You can move some applications from the phone memory to the internal storage.

To move an application to the phone's internal storage

1 From your **Home screen**, tap .
2 Find and tap **Settings** > **Apps**.
3 Select the application that you want to move to the internal storage.
4 Tap **Move to internal storage**.

It is not possible to move some applications from the phone memory to the internal storage.

Memory card

You may have to purchase a memory card separately.

Your phone supports a microSD™ memory card, which is used for media content. This type of card can also be used as a portable memory card with other compatible devices.

Formatting the memory card

You can format the memory card in your phone, for example, to free up memory. This means that you erase all data on the card.

All content on the memory card gets erased when you format it. Make sure you make backups of everything you want to save before formatting the memory card. To back up your content, you can copy it to your computer. For more information, refer to the chapter *Connecting your phone to a computer* on page 89.

To format the memory card

1 From your **Home screen**, tap .
2 Find and tap **Settings** > **Storage** > **Unmount SD card**.
3 After you have unmounted the memory card, tap **Erase SD card**.

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Using a headset with your phone

Use the accessories provided with your phone, or other compatible accessories, for optimal performance.

To use a headset

1. Connect the headset to your phone.
2. To answer a call, press the call handling key.
3. To end the call, press the call handling key.

If a headset is not included with the phone, you may purchase one separately.

If you are listening to music, the music stops when you answer a call and resumes after you end the call.

Internet and messaging settings

To send text and multimedia messages and to access the Internet, you must have a 2G/3G mobile data connection and the correct settings. There are different ways to get these settings:

- For most phone networks and operators, Internet and messaging settings come preinstalled on your phone. You can then start using the Internet and send messages right away.
- In some cases you will get the option to download Internet and messaging settings the first time you turn on your phone. It is also possible to download these settings later from the **Settings** menu.
- You can manually add and change Internet and network settings in your phone at any time. Contact your network operator for detailed information on your Internet and messaging settings.

To download Internet and messaging settings

1. From your **Home screen**, tap .
2. Find and tap **Settings** > **Xperia™** > **Internet settings**.

To view the current Access Point Name (APN)

1. From the **Home screen**, tap .
2. Find and tap **Settings** > **More…** > **Mobile networks**.
3. Tap **Access Point Names**.

If you have several available connections, the active network connection is indicated by a marked button.

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To configure APN settings manually

1. From the **Home screen**, tap .
2. Find and tap **Settings** > **More…** > **Mobile networks**.
3. Tap **Access Point Names**, then press .
4. Tap **New APN**.
5. Tap **Name** and enter the name of the network profile you want to create.
6. Tap **APN** and enter the access point name.
7. Enter all other information required by your service provider.
8. Press and tap **Save** .

Contact your service provider for detailed information about your network settings.

To reset the default Internet settings

1. From your **Home screen**, tap .
2. Tap **Settings** > **More…** > **Mobile networks**.
3. Tap **Access Point Names**, then press .
4. Tap **Reset to default**.

Controlling data usage

Keep track of and control the amount of data transferred to and from your phone during a given period. For example, you can set data usage warnings and limits for your phone to avoid additional charges. You can also limit the amount of data used by individual applications.

Adjusting data usage settings can help you keep greater control over data usage but cannot guarantee the prevention of additional charges.

To access data usage settings

1. From your **Home screen**, tap .
2. Find and tap **Settings** > **Data usage**.

To turn on data traffic

1. From your **Home screen**, tap .
2. Find and tap **Settings** > **Data usage**.
3. If the mobile data network connection is not turned on, tap **OFF** beside **Mobile data** so that **OFF** changes to **ON**.

You can also turn on data traffic by marking the **Mobile data traffic** checkbox under **Settings** > **More…** > **Mobile networks**.

To set a data usage warning

1. Make sure that you have turned on data traffic.
2. From your **Home screen**, tap .
3. Find and tap **Settings** > **Data usage**.
4. To set the warning level, drag the lines to the desired values. You receive a warning notification when the amount of data traffic approaches the level you set.

To set a data usage limit

1. Make sure that you have turned on data traffic.
2. From your **Home screen**, tap .
3. Find and tap **Settings** > **Data usage**.
4. Mark the **Set mobile data limit** checkbox if it is not marked, then tap **OK**.
5. To set the data usage limit, drag the lines to the desired values.

Once your data usage reaches the set limit, data traffic on your phone will be turned off automatically.

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To control the data usage of individual applications

1. From your **Home screen**, tap .
2. Find and tap **Settings** > **Data usage**.
3. Find and tap the desired application.
4. Make the necessary adjustments to change the data usage limit, restrict background data, or restrict all data traffic for the application.
5. To access more specific settings for the application, tap **View app settings** and make the desired changes.

Specific settings for an application may not always be accessible.

The performance of individual applications may be affected if you change the related data usage settings.

Mobile network settings

Your phone automatically switches between mobile networks depending on what mobile networks are available in different areas. You can also manually set your phone to access a particular mobile network type, for example, WCDMA or GSM.

To select a network type

1. From your **Home screen**, tap .
2. Find and tap **Settings** > **More…** > **Mobile networks**.
3. Tap **Network Mode**.
4. Select a network type.

To select another network manually

1. From the **Home screen**, tap .
2. Find and tap **Settings** > **More…** > **Mobile networks** > **Service providers**.
3. When a pop-up window appears, tap **Search mode** > **Manual**.
4. Select a network.

If you select a network manually, your phone will not search for other networks, even if you move out of range of the manually selected network.

To activate automatic network selection

1. From the **Home screen**, tap .
2. Find and tap **Settings** > **More…** > **Mobile networks** > **Service providers**.
3. When a pop-up window appears, tap **Search mode**.
4. Tap **Automatic**.

Turning off data traffic

You can disable all data connections over 2G/3G networks with your phone to avoid any unwanted data downloads and synchronizations. Contact your service provider if you need detailed information about your subscription plan and data traffic costs.

When data traffic is turned off, you can still use Wi-Fi™ and Bluetooth™ connections. You can also send and receive multimedia messages.

To turn off all data traffic

1. From your **Home screen**, tap .
2. Find and tap **Settings** > **More…** > **Mobile networks**.
3. Unmark the **Mobile data traffic** checkbox.

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Data roaming

Depending on your network operator, it might be possible to allow mobile data connections via 2G/3G outside of your home network (roaming). Please note that data transmission charges may apply. Contact your network operator for more information.

! Applications may sometimes use the Internet connection in your home network without any notification, for example, when sending search and synchronization requests. Additional charges may apply for data roaming. Consult your service provider.

To activate data roaming

1 From the **Home screen**, tap .
2 Find and tap **Settings** > **More…** > **Mobile networks**.
3 Mark the **Data roaming** checkbox.

! You can’t activate data roaming when data connections have been deactivated

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Google Play™

Getting started with Google Play™

Open Google Play™ and enter a world of applications and games. You can browse these applications and games through different categories. You can also rate an application or game and send feedback on it.

To use Google Play™, you need to have a Google™ account. See *To set up a Google™ account in your phone* on page 52.

! Google Play™ may not be available in all countries or regions

To open Google Play™

1 From the **Home screen**, tap .
2 Find and tap **Play Store**.

Downloading from Google Play™

You can download all kinds of applications from Google Play™, including free applications.

Before you download applications

Before you start downloading from Google Play™, make sure you have a working Internet connection.

Also, remember that you might incur data traffic charges when you download content to your phone. Contact your operator for more information.

To download a free application

1 In Google Play™, find an item you wish to download by browsing categories, or by using the search function.
2 Tap the item to view its details, and follow the instructions to complete the installation.
3 If the application you want to download requires access to your data or control of any functions on your phone, an additional screen appears with details. Read this screen carefully because the functionality of your phone may be seriously affected if you proceed. Tap **OK** if you agree, or **Cancel** if you wish to cancel the download.

To download a paid application

1 In Google Play™, find an item you wish to download by browsing categories, or by using the search function.
2 Tap the item to view its details, and follow the instructions on your phone to complete your purchase.
3 If the application you want to download requires access to your data or control of any functions on your phone, an additional screen appears with details. Read this screen carefully because the functionality of your phone may be seriously affected if you proceed. Tap **OK** if you agree, or **Cancel** if you wish to cancel the download.

To open a downloaded application

1 In Google Play™, press , then tap **My Apps**.
2 Tap the downloaded application.

You can also access downloaded applications from the Application screen.

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Clearing your application data

You may sometimes need to clear data for an application. This might happen if, for example, the application memory becomes full, or you want to clear high scores for a game. You might also want to erase incoming email, text and multimedia messages in some applications.

To clear all cache for an application

1. From your **Home screen**, tap .
2. Find and tap **Settings**.
3. Tap **Apps**.
4. Tap the application for which you want to clear all cache.
5. Tap **Clear cache**.

! It is not possible to clear the cache for some applications.

To delete an installed application

1. From your **Home screen**, tap .
2. Find and tap **Settings**.
3. Tap **Apps**.
4. Select the application you want to delete.
5. Tap **Uninstall**.

! It is not possible to delete some preinstalled applications.

Permissions

Some applications need to access parts of your phone to be able to work properly. For example, a navigation application needs permissions to send and receive data traffic, and access your location. Some applications might misuse their permissions by stealing or deleting data, or reporting your location. Make sure you only install and give permissions to applications you trust.

To view permissions of an application

1. From your **Home screen**, tap .
2. Find and tap **Settings**.
3. Tap **Apps**.
4. Tap the desired application.
5. Scroll down to view the relevant details under **Permissions**.

Installing applications not from Google Play™

Installing applications of unknown or unreliable origin can damage your phone. By default, your phone is set to block such installations. However, you can change this setting and allow installations from unknown sources.

! Sony does not warrant or guarantee the performance of any third-party applications or content transferred via download or other interface to your phone. Similarly, Sony is not responsible for any damage or reduced performance of your phone attributable to the transfer of third-party content. Only use content from reliable sources. Contact the content provider if you have any questions or concerns.

To allow the installation of applications not from Google Play™

1. From your **Home screen**, tap .
2. Find and tap **Settings** > **Security**.
3. Mark the **Unknown sources** checkbox.

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Calling

Emergency calls

Your phone supports international emergency numbers, for example, 112 or 911. You can normally use these numbers to make emergency calls in any country, with or without the SIM card inserted if you are within range of a network.

To make an emergency call

1. From your **Home screen**, tap .
2. Find and tap **Phone**.
3. Enter the emergency number and tap **Call**. To delete a number, tap .

You can make emergency calls when no SIM card is inserted or when outgoing calls are barred.

To make an emergency call while the SIM card is locked

1. Tap **Emergency call**.
2. Enter the emergency number and tap **Call**. To delete a number, tap .

Call handling

You can use two SIM cards and switch from one to the other as required. When you use one SIM card to handle calls, the other SIM card is disabled automatically.

You can make a call by manually dialing a phone number, by tapping a number saved in your phone's contact list, or by tapping the phone number in your call log view. You can also use the smart dial feature to quickly find numbers from your contact list and call logs.

To make a call by dialing

1. From your **Home screen**, tap .
2. Find and tap **Phone**.
3. Enter the number of the recipient and tap **Call**. To delete a number, tap .

To end a call

- Tap .

To make an international call

1. From your **Home screen**, tap .
2. Find and tap **Phone**.
3. Touch and hold 0 until a “+” sign appears.
4. Enter the country code, area code (without the first 0), and phone number, then tap **Call**.

To answer a call

- Drag to the right across the screen.

If you are using regular headphones without a microphone, you have to remove the headphones from the headset connector to be able to answer the call.

To decline a call

- Drag to the left across the screen.

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To reject a second call

- When you hear repeated beeps during a call, drag across the screen.

To change the ear speaker volume during a call

- Press the volume key up or down.

To turn on the loudspeaker during a call

- Tap .

To mute the microphone during a call

- Tap .

To activate the screen during a call

- Press .

To enter numbers during a call

1. During a call, tap . A keypad appears.
2. Enter numbers.

To mute the ringtone for an incoming call

- When you receive the call, press the volume key.

Recent calls

In the call log, you can view missed , received , and dialed calls.

To view your missed calls

1. When you have missed a call, appears in the status bar. Drag the status bar downwards.
2. Tap **Missed call**.

To call a number from your call log

1. From your **Home screen**, tap .
2. Find and tap **Phone**.The call log view appears on the upper part of the screen.
3. To call a number directly, tap the number. To edit a number before calling, touch and hold the number, then tap **Edit number before call**.

! You can also call a number by tapping > **Call back**.

To add a number from the call log to your contacts

1. From your **Home screen**, tap .
2. Find and tap **Phone**.The call log view appears on the upper part of the screen.
3. Touch and hold the number, then tap **Add to Contacts**.
4. Tap the desired contact, or tap **Create new contact**.
5. Edit the contact details and tap **Done**.

Voicemail

If your subscription includes a voicemail service, callers can leave voice messages for you when you can't answer calls. Your voicemail service number is normally saved on your SIM card. If not, you can get the number from your service provider and enter it manually.

To enter your voicemail number

1. From the **Home screen**, tap .
2. Find and tap **Settings** > **Call settings** > **Voicemail settings** > **Voicemail number**.
3. Enter your voicemail number.
4. Tap **OK**.

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To call your voicemail service

1. From your **Home screen**, tap .
2. Find and tap **Phone**.
3. Touch and hold **1**.

Multiple calls

If you have activated call waiting, you can handle multiple calls at the same time. When it is activated, you will be notified by a beep if you receive another call.

To activate or deactivate call waiting

1. From the **Home screen**, tap .
2. Find and tap **Settings** > **Call settings** > **Additional settings**.
3. To activate or deactivate call waiting, tap **Call waiting**.

To answer a second call and end the ongoing call

- When you hear repeated beeps during a call, tap **End current call and answer**.

To answer a second call and put the ongoing call on hold

- When you hear repeated beeps during a call, drag across the screen.

To make a second call

1. During an ongoing call, tap .
2. Enter the number of the recipient and tap .
3. If the recipient answers, the first call is put on hold.

The same procedure applies to subsequent calls.

To switch between multiple calls

- To switch to another call and put the current call on hold, tap the desired number or contact.

To end the ongoing call and return to the next call on hold

- Tap .

Conference calls

With a conference or multiparty call, you can have a joint conversation with two or more people.

To make a conference call

1. During an ongoing call, tap .
2. Dial the number of your second participant and tap .
3. If the second participant answers, the first call is put on hold.
4. Tap .

To add more participants, repeat steps 1 to 4.

To have a private conversation with a conference call participant

1. During an ongoing conference call, tap **Manage**.
2. Tap the number of the participant you want to talk to privately.
3. To end the private conversation and return to the conference call, tap .

To release a participant from a conference call

1. During an ongoing conference call, tap the button showing the number of participants. For example, tap **3 participants** if there are three participants.
2. Tap next to the participant you want to release.

To end a conference call

- During the call, tap .

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Call settings

Barring calls

You can bar all or certain categories of incoming and outgoing calls. When you use call barring for the first time, you need to enter your PUK (Personal Unblocking Key) and then a new password to activate the call barring function.

To bar incoming or outgoing calls

1. From your **Home screen**, tap .
2. Find and tap **Settings** > **Call settings** > **Call blocking**.
3. Select an option.
4. Enter the password and tap **Enable**.

Rejecting a call with a message

You can reject a call with a predefined message. When you reject a call with such a message, the message is automatically sent to the caller and saved on your phone.

Six messages are predefined in the phone. You can select from these predefined messages, which can also be edited if necessary.

To reject a call with a predefined message

- Drag **Reject with message** upward, then select a message.

To reject a second call with a predefined message

- When you hear repeated beeps during a call, drag **Reject with message** upward, then select a message.

To edit the message used to reject a call

1. From your **Home screen**, tap .
2. Find and tap **Settings** > **Call settings** > **Reject call with message**.
3. Tap the message you want to edit, then make the necessary changes.
4. When you're done, tap **OK**.

Forwarding calls

You can forward calls, for example, to another phone number, or to an answering service.

To forward calls

1. From your **Home screen**, tap .
2. Find and tap **Settings** > **Call settings** > **Call forwarding**.
3. Select an option.
4. Enter the number you want to forward the calls to, then tap **Enable**.

To turn off call forwarding

1. From your **Home screen**, tap .
2. Find and tap **Settings** > **Call settings** > **Call forwarding**.
3. Select an option, then tap **Disable**.

Showing or hiding your phone number

You can select to show or hide your phone number on call recipients' devices when you call them.

To show or hide your phone number

1. From your **Home screen**, tap .
2. Find and tap **Settings** > **Call settings** > **Additional settings** > **Caller ID**.

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Fixed Dialing Numbers

If you have received a PIN2 code from your service provider, you can use a list of Fixed Dialing Numbers (FDN) to restrict outgoing calls.

To enable or disable fixed dialing

1. From your **Home screen**, tap .
2. Find and tap **Settings** > **Call settings** > **Fixed dialing numbers**.
3. Tap **Activate fixed dialing** or **Deactivate fixed dialing**.
4. Enter your PIN2 and tap **OK**.

To access the list of accepted call recipients

1. From your **Home screen**, tap .
2. Find and tap **Settings** > **Call settings** > **Fixed dialing numbers** > **Fixed dialing numbers**.

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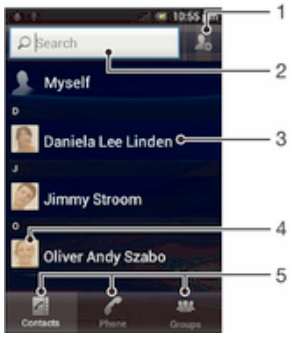
Contacts

About Contacts

Use the Contacts application to store and manage all your numbers, email addresses, and other contact data in one place. Just tap on a contact to see all communications with that contact in one easy overview.

You can add new contacts in your phone and synchronize them with contacts saved in your Google™ account, Microsoft® Exchange ActiveSync® account, or other accounts that support synchronization. The Contacts application automatically creates new entries and also helps you match data such as email addresses with existing entries.

Contacts screen overview



1	Tap this icon to create a contact
2	Contact search field
3	Tap a contact to view its details
4	Tap a contact thumbnail to access the quick contact menu
5	Shortcut tabs

Transferring contacts to your new phone

There are several ways to transfer contacts to your new phone. Select a transfer method that best suits your situation.

Transferring contacts using a PC

You can use a PC to transfer contacts from several phone brands, including iPhone, Samsung, HTC and Nokia.

You need:

- An Internet-connected PC running Windows®
- A USB cable for your old phone
- A USB cable for your new Android™ phone
- Your old phone

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- Your new Android™ phone

Using the PC Companion program to transfer contacts

If you are transferring contacts using a PC, use the PC Companion program. It's free, and the installation files are already saved on your new phone. PC Companion also offers a range of other features, including help with updating your phone software.

To install PC Companion

1. **New phone**: Turn on your new Android™ phone and connect it to a PC using a USB cable.
2. **New phone**: Tap **Install** to install PC Companion on the PC.
3. **Computer**: If a popup window appears, select *Run Startme.exe*. In the new popup window that appears, click *Install* to start the installation and then follow the instructions to complete the installation.

To transfer contacts to your new phone using PC Companion

1. Make sure that PC Companion is installed on your PC.
2. Open the PC Companion program on the PC, then click *Contacts Setup* and follow the instructions to transfer your contacts.

Transferring contacts using an Apple® Mac® computer

For detailed instructions on how to use an Apple Mac computer to transfer contacts from your old phone, go to *Transfer your contacts*.

Transferring contacts using synchronization accounts

Your phone works with popular online synchronization accounts such as Google Sync™, Microsoft® Exchange ActiveSync®or Facebook™. If you have synced the contacts in your old phone or your computer with an online account, you can transfer your contacts to your new phone using that account. For more detailed information about synchronization, see *Synchronizing your corporate email, calendar and contacts* on page 94.

To synchronize your phone contacts with a synchronization account

1. From your **Home screen**, tap , then tap .
2. Press , then tap **Settings** > **Accounts & sync**.
3. To set up a synchronization account, tap **Add account** and follow the on-screen instructions. If you have already set up a synchronization account and you want to sync with that account, tap the account, press , and tap **Sync now**.

Transferring contacts from a SIM card

To import contacts from a SIM card

1. From your **Home screen**, tap . , then tap .
2. Press . , then tap **Import contacts** > **SIM card**.
3. If you have set up a synchronization account, you can choose to add the SIM card contacts under that account. Or you can choose to only use these contacts in the phone. Select your desired option.
4. To import an individual contact, find and tap the contact. To import all contacts, tap **Import all**.

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Transferring contacts from a memory card

To import contacts from a memory card

1. From your **Home screen**, tap , then tap .
2. Press , then tap **Import contacts** > **Memory card**.
3. If you have set up a synchronization account, you can add the imported memory card contacts under that account. Or you can choose to only use the imported contacts in the phone. Select your desired option.
4. If you have more than one vCard file on the Memory card, a list appears showing different batches of phone contacts, with the corresponding dates for when they were created. Select the batch you want to import.

Receiving contacts from other devices

To receive contact data sent using Bluetooth™ technology

1. Make sure you have the Bluetooth™ function turned on and your phone set to visible. If not, then you cannot receive data from other devices.
2. When you are asked to confirm whether you want to receive the file, tap **Accept**.
3. Drag down the Notification panel and tap the file you received to import the contact data.

To receive contacts sent using a messaging service

1. When you receive a new text message, multimedia message, or email message, open the message.
2. The received contact data appears as a vCard attachment. Tap, or touch and hold the vCard file to open a menu so you can save the contact data.

Managing your contacts

You can create, edit and synchronize your contacts in a few simple steps. You can select contacts saved in different accounts and manage how you display them in the phone.

If you synchronize your contacts with more than one account, you can join contacts in your phone to avoid duplicates.

! Some synchronization services, for example, some social networking services, do not allow you to edit contact details.

To view your contacts

- From your **Home screen**, tap , then tap . Your contacts are listed here.

To select which contacts to display in the Contacts application

1. From your **Home screen**, tap , then tap .
2. Press , then tap **Filter**.
3. In the list that appears, mark and unmark the desired options. If you have synchronized your contacts with a synchronization account, that account appears in the list. You can tap the account to further expand the list of options. When you are finished, tap **OK**.

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To add a contact

1. From your **Home screen**, tap , then tap .
2. Tap .
3. If you have synchronized your contacts with one or more accounts, select the account to which you want to add this contact, or tap **Local contact** if you only want to use this contact in your phone.
4. Enter or select the desired information for the contact.
5. When you are finished, tap **Done**.

If you add a plus sign and the country code before a contact phone number, you can use the number when you make calls from other countries.

To edit a contact

1. From the **Home screen**, tap , then tap .
2. Touch and hold the contact you want to edit, then tap **Edit contact**.
3. Edit the desired information. When you are finished, tap **Done**.

To associate a picture with a contact

1. From your **Home screen**, tap , then tap .
2. Touch and hold the contact you want to edit, then tap **Edit contact**.
3. Tap and select the desired method for adding the contact picture.
4. When you have added the picture, tap **Done**.

You can also add a picture to a contact directly from the **Xperia™ Gallery** application.

To view your communication with a contact

1. From the **Home screen**, tap , then tap .
2. Tap the contact you want to view.
3. To view your communication with the contact for different media, tap or flick through the filter items at the bottom of the screen.

To delete contacts

1. From your **Home screen**, tap , then tap .
2. Press , then tap **Delete contacts**.
3. Mark the contacts you want to delete, or tap **Mark all** if you want to delete all contacts.
4. Tap **Delete** > **OK**.

To edit contact information about yourself

1. From your **Home screen**, tap , then tap .
2. Touch and hold **Myself** at the top of the contact list, then tap **Edit contact**.
3. Enter the new information or make the changes you want.
4. When you are done, tap **Done**.

Avoiding duplicate entries in the Contacts application

If you synchronize your contacts with a new account or import contact information in other ways, you could end up with duplicate entries in the Contacts application. If this happens, you can join such duplicates to create a single entry. And if you join entries by mistake, you can separate them again later.

To link contacts

1. From your **Home screen**, tap , then tap .
2. Touch and hold the contact you want to link with another contact, then tap **Link contact**.
3. From the list that appears, tap the contact whose information you want to join with the first contact, then tap **OK** to confirm. The information from the first contact is merged with the second contact, and the first contact is no longer displayed in the Contacts list.

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To separate linked contacts

1 From your **Home screen**, tap , then tap .
2 Touch and hold the linked contact you want to edit, then tap **Edit contact**.
3 Tap **Unlink contact**.
4 Tap **OK**.

Favorites

You can mark contacts as favorites so that you can get quick access to them from the Contacts application.

To mark or unmark a contact as a favorite

1 From the **Home screen**, tap , then tap .
2 Tap the contact you want to add to or remove from your favorites.
3 Tap ☆.

To view your favorite contacts

1 From your **Home screen**, tap , then tap .
2 Tap **Groups**, then tap ☆.

Groups

You can assign contacts to groups to get quicker access to them from within the Contacts application.

To assign a contact to a group

1 In the Contacts application, touch and hold the contact that you want to assign to a group.
2 Tap **Edit contact**, then tap the bar directly under **Assign to group**.
3 Mark the checkboxes for the groups to which you want to add the contact, then tap **Done**.
4 Tap **Done**.

Communicating with your contacts

To search for a contact

1 From your **Home screen**, tap , then tap .
2 Enter the first few letters of the contact name in the **Search** field. All contacts beginning with those letters appear.

The quick contact menu

Tap a contact's thumbnail to view quick communication options for a particular contact. Options include calling the contact, sending a text or multimedia message, and starting a chat using the Google Talk™ application.

! For an application to appear as an option in the quick contact menu, you may need to set up the application in your phone and be logged in to the application. For example, you need to start the **Gmail™** application and enter your login details before you can use **Gmail™** from the quick contact menu.

Sharing your contacts

To send your business card

1 From your **Home screen**, tap , then tap .
2 Tap **Myself**.
3 Press , then tap **Send contact** > **OK**.
4 Select an available transfer method and follow the on-screen instructions.

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To send a contact

1 From your **Home screen**, tap , then tap .
2 Tap the contact whose details you want to send.
3 Press , then tap **Send contact** > **OK**.
4 Select an available transfer method and follow the on-screen instructions.

To send several contacts at once

1 From your **Home screen**, tap , then tap .
2 Press , then tap **Send contacts**.
3 Mark the contacts you want to send, or select all if you want to send all contacts.
4 Tap **Send**, then tap **OK** to confirm.
5 Select an available transfer method and follow the on-screen instructions.

Backing up contacts

You can use a memory card, a SIM card, or an online synchronization tool such as Microsoft® Exchange ActiveSync® to back up contacts.

To export all contacts to a memory card

1 From your **Home screen**, tap , then tap .
2 Press , then tap **Back up contacts** > **Memory card**.
3 Tap **OK**.

To export contacts to a SIM card

1 From your **Home screen**, tap , then tap .
2 Press , then tap **Back up contacts** > **SIM card**.
3 Mark the contacts you want to export, or tap **Mark all** if you want to export all your contacts.
4 Tap **Back up**.
5 Select **Add contacts** if you want to add the contacts to existing contacts on your SIM card, or select **Replace all contacts** if you want to replace the existing contacts on your SIM card.

! When you export contacts to a SIM card, not all information may get exported. This is due to memory limitations on SIM cards.

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Messaging

Using text and multimedia messaging

You can send and receive text messages from your phone using SMS (Short Message Service). If your subscription includes MMS (Multimedia Messaging Service), you can also send and receive messages that contain media files, for example, pictures and videos. The number of characters you can send in a single text message varies depending on the operator and the language you use. If you exceed the character limit, then all your single messages are linked together and sent as one message. You are charged for each single text message you send. When you view your messages, they appear as conversations, which means that all messages to and from a particular person are grouped together.

To send multimedia messages, you need the correct MMS settings in your phone. See *Internet and messaging settings* on page 31.

To create and send a message

1. From your **Home screen**, tap , then find and tap .
2. Tap **New message**.
3. To add a recipient, tap **Add recipient**, then find and mark the checkbox next to the recipient name. To add more than one recipient, mark the checkboxes for the desired recipients. You can also enter the number in the search field manually, then tap **Add**.
4. When you are finished adding recipients, tap **Done**.
5. Tap **Write message** and enter your message text.
6. If you want to add a media file, tap and select an option.
7. If you want to add or remove recipients before sending the message, press . To add a recipient, tap **Add recipient**. To remove a recipient, tap **Edit recipients** and tap next to a recipient field. When you are finished, tap **Done**.
8. To send the message, tap **Send**.

If you exit a message before sending, it gets saved as a draft. The conversation gets tagged with the word **Draft:**.

To read a received message

1. From your **Home screen**, tap , then find and tap .
2. Tap the desired conversation.
3. If the message is not yet downloaded, tap and hold the message, then tap **Download message**.

When you receive a text or multimedia message, appears in the status bar. To read the message, you can also drag the status bar downwards and tap the received message when the status bar is open.

To reply to a message

1. From your **Home screen**, tap , then tap **Messaging**.
2. Tap the desired conversation.
3. Enter your reply and tap **Send**.

To forward a message

1. From your **Home screen**, tap , then tap **Messaging**.
2. Tap the desired conversation.
3. Touch and hold the message you want to forward, then tap **Forward message**.
4. Select a recipient from the list, or tap **Add recipient** to add a recipient who is not in the list.
5. Edit the message and tap **Send**.

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To delete a message

1. From your **Home screen**, tap , then tap **Messaging**.
2. Tap the desired conversation.
3. Touch and hold the message you want to delete, then tap **Delete message** > **Yes**.

To delete conversations

1. From your **Home screen**, tap , then tap **Messaging**.
2. Press , then tap **Delete conversations**.
3. Mark the checkboxes for the conversations you want to delete, then tap **Delete**.

To save a sender's number to a contact

1. From your **Home screen**, tap , then tap **Messaging**.
2. Tap a conversation.
3. Tap the sender's number at the top of the screen.
4. Tap .
5. Select an existing contact, or tap if you want to create a new contact.
6. Edit the contact information and tap **Done**.

To call a message sender

1. From your **Home screen**, tap , then tap **Messaging**.
2. Tap a conversation.
3. Tap the recipient's name or number at the top of the screen.
4. If the recipient is saved in your contacts, tap the phone number you want to call. If you have not saved the recipient in your contacts, tap .

To save a file contained in a message you receive

1. From your **Home screen**, tap , then tap **Messaging**.
2. Tap the desired conversation.
3. If the message has not been downloaded yet, tap and hold the message, then tap **Download message**.
4. Touch and hold the file you want to save, then select the desired option.

Text and multimedia message options

To view and edit notification settings for messages

1. From your **Home screen**, tap , then tap **Messaging**.
2. Press .
3. To view and edit your settings, tap **Settings**, and tap a SIM card, then make the desired settings.

To change the delivery report settings for outgoing messages

1. From your **Home screen**, tap , then tap **Messaging**.
2. Press .
3. Tap **Settings**, then tap a SIM card.
4. Tap **Delivery report** to activate or deactivate the delivery report.

To view messages saved on the SIM card

1. From your **Home screen**, tap , then tap **Messaging**.
2. Press , then tap **Settings**.
3. Tap a SIM card > **SIM messages**.

Google Talk™

You can use Google Talk™ instant messaging in your phone to chat with friends who also use this application.

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To start Google Talk™

1 From your **Home screen**, tap .
2 Find and tap **Talk**.

To reply to an instant message with Talk

1 When someone contacts you on **Talk**, appears in the status bar.
2 Drag the status bar downwards, then tap the message and begin to chat.

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Email

Getting started with Email

Use the Email application in your phone to send and receive emails through your regular email account or through your corporate account. Or you can do both. Your phone can handle several email accounts at the same time. You can set up these accounts to run through one combined inbox, or through separate inboxes. Note that emails you receive to your **Gmail™** account can be accessed in the phone from both the Email and the **Gmail™** applications.

Your corporate Microsoft® Outlook® email messages have to be stored on a Microsoft® Exchange server for the functionality described above to work. See *Synchronizing your corporate email, calendar and contacts* on page 94 for more information.

Using email accounts

To set up an email account in your phone

1. From your **Home screen**, tap .
2. Find and tap .
3. Enter your email address and password, then tap **Next**.
4. If the settings for the email account cannot be downloaded automatically, complete the setup manually. If necessary, contact your email service provider for detailed settings. For corporate email setup on your phone, select **Exchange Active Sync** as the account type.
5. When you are prompted, enter a name for your email account, so that it is easily identifiable. The same name shows in the emails you send from this account. When you are finished, tap **Next**.

You can set up more than one email account.

To set an email account as your default account

1. From your **Home screen**, tap .
2. Find and tap .
3. Press , then tap **Settings**.
4. Tap the account you want to use as the default account for composing and sending emails.
5. Mark the **Default account** checkbox. The inbox of the default account appears every time you open the Email application.

If you only have one email account, this account is automatically the default account.

To add an extra email account in your phone

1. From your **Home screen**, tap .
2. Find and tap .
3. Press , then tap **Settings**.
4. Tap **Add account**.
5. Enter the email address and password, then tap **Next**.
6. If the settings for the email account cannot be downloaded automatically, complete the setup manually. If necessary, contact your email service provider for detailed settings.
7. When prompted, enter a name for your email account so that it is easily identifiable. The same name shows in the emails that you send from this account.
8. When you are finished, tap **Next**.

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To remove an email account from your phone

1 From your **Home screen**, tap .
2 Find and tap .
3 Press , then tap **Settings**.
4 Tap the account you want to remove.
5 Find and tap **Remove account** > **OK**.

Gmail™ and other Google™ services

If you have a Google™ account, you can use the **Gmail™** application in your phone to read, write and organize email messages. After you set up your Google™ account to work in the phone, you can also chat to friends using the Google Talk™ application, synchronize your phone calendar application with your Google Calendar™, and download applications and games from Google Play™.

The services and features described in this chapter may not be supported in all countries/regions or by all networks and/or service providers in all areas.

To set up a Google™ account in your phone

1 From your **Home screen**, tap .
2 Find and tap **Settings** > **Accounts & sync** > **Add account** > **Google**.
3 Follow the registration wizard to create a Google™ account, or sign in if you already have an account. Your phone is now ready to use with **Gmail™** , Google Talk™, and Google Calendar™.

You can also sign in or create a Google™ account from the setup guide the first time you start your phone. Or you can go online and create an account at *www.google.com/accounts*.

To open the Gmail™ application

1 From the **Home screen**, tap .
2 Find and tap **Gmail** .

Using e-mail

To create and send an email message

1 From your **Home screen**, tap , then find and tap . The inbox of your default email account appears. If you want to use another email account that you have set up on your phone, tap the bar containing , then select the account you want to send the message from.
2 Tap .
3 Tap **To** and start typing the recipient's email address. Matches are displayed in a dynamic list. Tap the relevant match or continue typing the complete email address. To add more recipients, enter a comma (,) or a semicolon (;) and start typing another name. To delete a recipient, tap .
4 To select an email address saved in your contacts, tap , then find and mark the checkbox next to a recipient field. To add more than one recipient, mark the checkboxes for the desired recipients. When you are finished, tap **Done**.
5 Tap the subject field and enter the email subject.
6 To attach a file, press , then tap **Attach file**. Select the type of file, then tap the file you want to attach from the list that appears.
7 Tap the body text field and enter your message text.
8 To add Cc/Bcc fields, press , then tap **Add Cc/Bcc**.
9 To send the email, tap .

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To receive email messages

1 From your **Home screen**, tap .
2 Find and tap . The inbox of your default email account appears.
3 If you want to check another email account that you have set up on your phone, tap the bar containing , then select the account you want to check. If you want to check all your email accounts at once, tap the bar containing , then tap **Combined view**.
4 To download new messages, tap .

If you have set up a corporate email account, you can set the check frequency to **Automatic (Push)**.

To read your email messages

1 From your **Home screen**, tap .
2 Find and tap . The inbox of your default email account appears. If you want to check another email account that you have set up on your phone, tap the bar containing , then select the account you want to check.
3 In the email inbox, scroll up or down and tap the email you want to read.
4 In the body text field, spread two fingers apart, or pinch them together, to zoom in or out.
5 Use the forward and backward arrows to read your next or previous message.

To view an email message attachment

1 From your **Home screen**, tap .
2 Find and tap . The inbox of your default email account appears. If you want to check another email account that you have set up on your phone, tap the bar containing , then select the account you want to check.
3 Find and tap the desired message in your email inbox. Emails with attachments are identified by .
4 Tap the attachment tab in the email body. All attachments appear in a list.
5 Tap **Load** below an attachment item.
6 When the attachment is downloaded, tap **View** or **Save**.

To save a sender's email address to your contacts

1 From your **Home screen**, tap .
2 Find and tap . The inbox of your default email account appears. If you want to check another email account that you have set up on your phone, tap the bar containing , then select the account you want to check.
3 Find and tap the desired message in your email inbox.
4 Tap the name of the sender.
5 Tap **OK** when you are prompted to add the name to your contacts.
6 Select an existing contact, or tap **Create new contact** if you want to create a new contact.
7 Edit the contact information and tap **Done**.

To reply to an email message

1 From your **Home screen**, tap .
2 Find and tap . The inbox of your default email account appears. If you want to check another email account that you have set up on your phone, tap the bar containing , then select the account you want to check.
3 Find and tap the message you want to reply to, then tap .
4 To reply to all, tap , then tap **Reply all**.
5 Enter your reply, then tap .

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To forward an email message

1. From your **Home screen**, tap .
2. Find and tap . The inbox of your default email account appears. If you want to check another email account that you have set up on your phone, tap the bar containing , then select the account you want to check.
3. Find and tap the message you want to forward.
4. Tap , then tap **Forward**.
5. Tap **To** and enter the recipient's address.
6. Enter your message text, then tap .

To delete an email message

1. From your **Home screen**, tap .
2. Tap . The inbox of your default email account appears. If you want to check another email account that you have set up on your phone, tap the bar containing , then select the account you want to check.
3. In your email inbox, mark the checkbox for the email you want to delete, then tap .

To mark a read email as unread

1. From your **Home screen**, tap .
2. Find and tap . The inbox of your default email account appears. If you want to check another email account that you have set up on your phone, tap the bar containing , then select the account you want to check.
3. Mark the checkbox for the desired email, then tap .

To mark an unread email as read, mark its checkbox, then tap .

To star an email

1. From your **Home screen**, tap .
2. Find and tap . The inbox of your default email account appears. If you want to check another email account that you have set up on your phone, tap the bar containing , then select the account you want to check.
3. Mark the checkbox for the email you want to star, then tap .

To unstar an email, check it, then tap .

To view all starred emails

1. From your **Home screen**, tap , then find and tap .
2. Tap , then tap **Starred**. Starred emails from all your accounts appear in a list.

To manage your email in batches

1. From your **Home screen**, tap , then find and tap . The inbox of your default email account appears. If you want to check another email account that you have set up on your phone, tap the bar containing , then select the account you want to check.
2. Mark the checkboxes for the emails you want to select.
3. When you are finished, tap one of the icons in the tool bar to, for example, move the selected emails to another folder.

To view all folders for one email account

1. From your **Home screen**, tap , then find and tap . The inbox of your default email account appears. If you want to check another email account that you have set up on your phone, tap the bar containing , then select the account you want to check.
2. Tap to view all the folders in the account.

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To change the inbox check frequency

1. From your **Home screen**, tap .
2. Find and tap .
3. Press , then tap **Settings**.
4. If you are using several email accounts, tap the account you want to adjust.
5. Tap **Inbox check frequency** and select an option.

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"WALKMAN" application

About Music

Get the most out of your Walkman™ player. Listen to and organize music, audio books and podcasts that you have transferred to your memory card from a computer, or purchased and downloaded from online stores.

To make content easily available to the music player, you can use the Media Go™ application. Media Go™ helps transfer music content between a computer and a phone. For more information, see *Connecting your phone to a computer* on page 89.

"WALKMAN" application overview

1	Browse the music on your memory card
2	Search all tracks saved to your phone's internal storage
3	Tap the infinite button to find related information online and plug-ins on Google Play™
4	Album art (if available)
5	Go to the next track in the current play queue, or fast forward
6	Total time length of the track
7	Elapsed time of current track
8	Progress indicator – drag the indicator or tap along the line to fast forward or rewind
9	Play/Pause button
10	Go to the previous track in the current play queue, or rewind

Copying media files to your memory card

Copy all your favorite media content from computer to phone and start using your phone's entertainment features to the full. It's easy to transfer music, photos, videos, and other files. Just connect your phone to a computer with a USB cable and use either the computer's file manager application or the Media Go™ application to transfer your files.

See *Connecting your phone to a computer* on page 89 for more general information about connecting your phone to a computer and transferring files.

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Using the WALKMAN player

To play audio content

1. From your **Home screen**, tap , then find and tap .
2. Tap **MY MUSIC** to open the music library.
3. Select a music category and browse to the track that you want to open.
4. Tap a track to play it.

To change tracks

- When a track is playing, tap or .
- When a track is playing, swipe the album art left or right.

To pause a track

- In the WALKMAN player, tap .

To fast forward and rewind music

- In the WALKMAN player, touch and hold or .

You can also drag the progress indicator marker right or left.

To adjust the audio volume

- When the WALKMAN player is playing a track, press the volume key.

To improve the sound quality using the equalizer

1. When the Walkman™ player is open, press .
2. Tap **Sound enhancements**.
3. If you want to adjust the sound manually, drag the frequency band buttons up or down. If you prefer to adjust the sound automatically, tap and select a style.

To turn on the Surround sound

1. When the Walkman™ player is open, press .
2. Tap **Sound enhancements** > > **More** > **Headphone surround**.
3. Select a setting.
4. Tap **OK**.

To view the current play queue

- While a track is playing in the WALKMAN player, tap the album art and then tap .

To minimize the WALKMAN player

- When the WALKMAN player is playing, press to go to the previous screen, or press to go to the **Home screen**. The WALKMAN player stays playing in the background.

To return to the WALKMAN player when it is playing in the background

1. While a track is playing in the background, drag the status bar downward to open the Notification panel.
2. Tap the track title to open the WALKMAN player.

Alternatively, you can press and hold and then tap to return to the WALKMAN player.

To delete a track

1. Open the Walkman™ player library and browse to the track you want to delete.
2. Touch and hold the track title, then tap **Delete**.

You can also delete albums this way.

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To share a track

1. When browsing your tracks in the WALKMAN player library, touch and hold a track title.
2. Tap **Send**.
3. Select an available transfer method, and follow the on-screen instructions.

You can also share albums and playlists this way.

You might not be able to copy, send or transfer copyright-protected items.

To recommend a track on Facebook™

1. While the track is playing in the Walkman™ player, tap the album art.
2. Tap to show that you "Like" the track on **Facebook™**. If desired, add a comment in the comments field.
3. Tap **Share** to send the track to **Facebook™**. If the track is received successfully, you will get a confirmation message from **Facebook™**.

Discovering related audio content

In the Walkman™ player, you can discover audio content that is related to the artist you are listening to by tapping the infinite button .

You can also search for audio content related to a particular artist while you're browsing the Walkman™ player. The Walkman™ player searches for and lists the following types of results:

- Music videos on YouTube™
- Artist info on Wikipedia™
- Lyrics on Google
- Karaoke videos on YouTube™
- Extension searches on the web
- Content from the PlayNow™ service

To search for related content using the infinite button

- When a track is playing in the Walkman™ player, tap .

Using My music to organize your tracks

Tap the My Music tab in the Walkman™ player to get an overview of all the tracks you've saved to your phone's memory card. In My Music you can manage your albums and playlists, create shortcuts, and arrange music by mood and tempo.

Overview of My music

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1	Go back to the current track in the music track
2	Picture of the currently playing artist (if available)
3	Browse your music by artist
4	Categorize your music using SensMe™ channels
5	Manage and edit your music using Music Unlimited™
6	Browse your favorite playlists
7	Collect links to music and music-related content that you and your friends have shared using online services
8	Browse all playlists
9	Browse audio by track
10	Browse by album

To add a music track as a shortcut

1. In the WALKMAN player, tap **MY MUSIC**.
2. Tap , , or , then browse to the track that you want to save as a shortcut.
3. Touch and hold the track title.
4. Tap **Add as shortcut**. The shortcut now appears in the My music main view.

To rearrange shortcuts

1. In the Walkman™ player, tap **MY MUSIC**.
2. Touch and hold a shortcut until it magnifies and the phone vibrates, then drag the item to a new location.

To delete a shortcut

1. In the Walkman™ player, tap **MY MUSIC**.
2. Touch and hold a shortcut until it magnifies and the phone vibrates, then drag the item to .

You can't delete the following tabs: **Tracks**, **Albums**, **Artists**, **Playlists**, **Music Unlimited**, **Friends' music** and **SensMe™ channels**.

To update your music with the latest information

1. In the Walkman™ player, tap **MY MUSIC**, then press .
2. Tap **Download music info** > **Start**. Your phone searches online and downloads the latest available album art and track information for your music.

The SensMe™ channels application gets activated when you download music information.

Categorizing your music using SensMe™ channels

The SensMe™ channels application helps you arrange your music by mood and tempo. SensMe™ groups all your tracks into twelve categories, or channels, so you can select music that matches your mood or suits the time of day.

To enable the SensMe™ channels application

1. In the Walkman™ player, tap **MY MUSIC**.
2. Press , then tap **Download music info**.

This application requires a mobile or Wi-Fi® network connection.

Playing music in random order

You can play tracks in playlists in random order. A playlist can be, for example, a playlist you have created yourself, or an album.

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To play tracks in random order

1. In the Walkman™ player, tap **MY MUSIC**.
2. Tap and navigate to an album, or tap and browse to a playlist.
3. Open the album or playlist by tapping its name.
4. Tap to turn on **Shuffle mode**.

Playlists

The Walkman™ player automatically creates Smart playlists on the playlist tab in the Walkman™ player library. You can also create your own playlists from the music that is saved on your phone's memory card.

In addition, you can install the Media Go™ application on a computer, and use it to copy playlists from the computer to your phone's internal storage. For more information, see *Connecting your phone to a computer* on page 89.

To create your own playlists

1. In the Walkman™ player, tap **MY MUSIC**.
2. To add an artist, album or a track to a playlist, touch and hold the name of the artist or the title of the album or track.
3. In the menu that opens, tap **Add to playlist** > **Create new playlist**.
4. Enter a name for the playlist and tap **OK**.

To add tracks to a playlist

1. When browsing the Walkman™ player library, touch and hold the name of the artist or the title of the album or track you want to add.
2. Tap **Add to playlist**.
3. Tap the name of the playlist to which you want to add the artist, album or track. The artist, album or track is added to the playlist.

To play your own playlists

1. In the WALKMAN player, tap **MY MUSIC**.
2. Tap .
3. Under **Playlists**, tap a playlist.
4. Tap a track to play it.

To remove a track from a playlist

1. In a playlist, touch and hold the title of the track you want to delete.
2. Tap **Delete from playlist**.

To delete a playlist

1. In the Walkman™ player, tap **MY MUSIC**, then select **Playlists**.
2. Touch and hold the playlist you want to delete.
3. Tap **Delete**.
4. Tap **Delete** again to confirm.

! You cannot delete default playlists.

WALKMAN player widget

The WALKMAN player widget is a miniature application that gives you direct access to the WALKMAN player from your **Home screen**. You need to add this widget to your **Home screen** before you can use it.

To add the Walkman™ player widget to your Home screen

1. From your **Home screen**, press .
2. Tap .
3. Find and tap **Walkman™ player**.

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Protecting your hearing

Listening to the Walkman™ player or other media players at excessive volume or for a prolonged period of time can damage your hearing, even when the volume is at a moderate level. To alert you to such risks, a volume level warning appears when the volume is too high, and after the Walkman™ player is used for over 20 hours.

To turn off the volume level warning

- When appears, tap **OK** to dismiss the warning.

Every time you restart your phone, the media volume is automatically set to moderate level.

TrackID technology

Identifying music using TrackID technology

Use the TrackID™ music recognition service to identify a music track you hear playing in your surroundings. Just record a short sample of the song and you'll get artist, title and album info within seconds. You can purchase tracks identified by TrackID™ and you can view TrackID charts to see what TrackID users around the globe are searching for. For best results, use TrackID™ technology in a quiet area.

The TrackID™ application and the TrackID™ service are not supported in all countries/regions, or by all networks and/or service providers in all areas.

To open the TrackID™ application

1. From your **Home screen**, tap .
2. Find and tap **TrackID™**.

You can also use the TrackID™ widget to open the **TrackID™** application.

To search for track information using TrackID™

1. When the **TrackID™** application is open, hold the phone toward the music source.
2. Tap . If the track is recognized by the TrackID™ service, the results appear on the screen.

To return to the **TrackID™** start screen, press .

To view TrackID™ charts

1. When the **TrackID™** application is open, tap **Charts**. The first time you view a chart, it is set to your own region.
2. To see charts of the most popular searches in other regions, tap > **Regions**.
3. Select a country or region.

Using TrackID™ technology results

Track information appears when the TrackID™ application recognizes a track. You can select to purchase the track or share it using email or SMS. You can also get more information about the track's artist.

To buy a track using TrackID™ technology

1. When the **TrackID™** application is open, tap a track title.
2. In the track information screen, tap **Download**.
3. Follow the instructions in your phone to complete your purchase.

The track purchase feature may not be supported in all countries/ regions, or by all networks and/or service providers in all areas.

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To share a track using email or SMS

1 When the **TrackID™** application is open, tap a track title.
2 Tap **Share**, then select a sharing method.
3 Follow the instructions in your phone to complete the procedure.

To view the artist information for a track

1 When the **TrackID™** application is open, tap a track title.
2 Tap **Artist info**.

To delete a track from the track history

1 When the **TrackID™** application is open, tap **History**.
2 Tap a track title, then tap **Delete**.
3 Tap **Yes**.

PlayNow™ service

About the PlayNow™ service

You can use the PlayNow™ service to download applications, music, games, ringtones, and wallpapers. The PlayNow™ service offers both free and non-free downloads. Note that payment options for non-free applications may vary per country.

The PlayNow™ service is not available in all countries.

To start PlayNow™

1 From the **Home screen**, tap .
2 Find and tap .

Before you download content

Before you download, make sure that you have an Internet connection. Also, you may need to have a memory card inserted in your phone to download content.

When you download content to your phone, you might be charged for the amount of data transferred. Contact your operator for information about data transfer rates in your country.

To download a PlayNow item to your phone

1 From your **Home screen**, tap .
2 Find and tap **PlayNow™**.
3 Find an item you want to download by browsing categories, or by using the search function.
4 Tap the item to view its details.
5 Click “Buy now!” to start the purchase process. After your purchase has been validated, you can start to download your content.

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FM radio

About the FM radio

The FM radio in your phone works like any FM radio. For example, you can browse and listen to FM radio stations and save them as favorites. You must connect a wired headset or headphones to the phone before you can use the radio. This is because the headset or headphones act as an antenna. After one of these devices is connected, you can then switch the radio sound to the phone speaker, if desired.

When you open the FM radio, available channels appear automatically. If a channel has RDS information, it appears a few seconds after you start listening to the channel.

To start the FM radio

1. Connect a headset or a set of headphones to your phone.
2. From your **Home screen**, tap .
3. Find and tap **FM radio** . The available channels appear as you scroll through the frequency band.

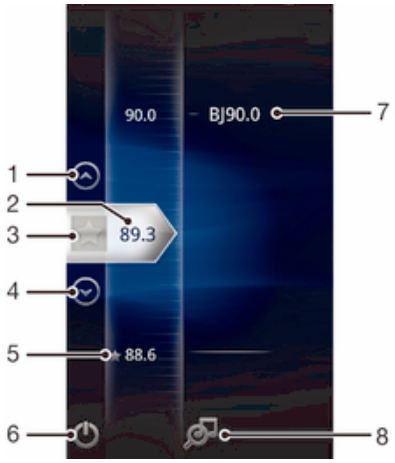
When you start the FM radio, available channels appear automatically. If a channel has RDS information, it appears a few seconds after you start listening to the channel.

Moving between radio channels

You can move between radio channels along a frequency band by:

- Flicking up and down.
- Dragging.
- Tapping a channel or, if available, the RDS information (station identification).

FM radio overview



1	Move upwards to the previous favorite (available when favorites are saved)
2	The tuned frequency
3	Save or remove a channel as a favorite
4	Move downwards to the next favorite (available when favorites are saved)
5	An saved favorite channel
6	Radio on/off key
7	RDS (Radio Data System) information – not available in all countries/regions
8	Open the TrackID™ application

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Using your favorite radio channels

You can save the radio channels you most frequently listen to as favorites. By using favorites you can quickly return to a radio channel.

To save a channel as a favorite

1. When the radio is open, navigate to the channel that you want to save as a favorite.
2. Tap ★.

To remove a channel as a favorite

1. When the radio is open, navigate to the channel that you want to remove as a favorite.
2. Tap ☆.

To move between favorite channels

- When the radio is open, tap ⌃ or ⌄.

! To move between favorites, you need to save at least two channels as favorites.

Making a new search for radio channels

If you have moved to a new location or the reception has improved in your current location, you can start a new scan for radio channels.

! Any favorites you have saved are not affected by a new scan.

To start a new search for radio channels

1. When the radio is open, press ☰.
2. Tap **Search for channels**. The radio scans the whole frequency band, and all available channels are displayed.

Sound settings

Switching between the speaker and the handsfree

You can choose to listen to the radio either through the portable handsfree or headphones, or through the speaker in the phone.

To switch between the speaker and handsfree

1. When the radio is open, press ☰.
2. Tap **Play in speaker**.
3. To play the sound through the portable handsfree or headphones again, press ☰ and tap **Play in headphones**.

Identifying radio tracks using TrackID™

Use **TrackID™** technology to identify music tracks as they play on your phone's FM radio.

To identify a song on the FM radio using TrackID™

1. While the song is playing on your phone's FM radio, press ☰, then select **TrackID™**.
2. A progress indicator appears while the TrackID™ application samples the song. If successful, you are presented with a track result, or a list of possible tracks.
3. Press ↩ to return to the FM Radio.

! The TrackID™ application and the TrackID™ service are not supported in all countries/regions, or by all networks and/or service providers in all areas.

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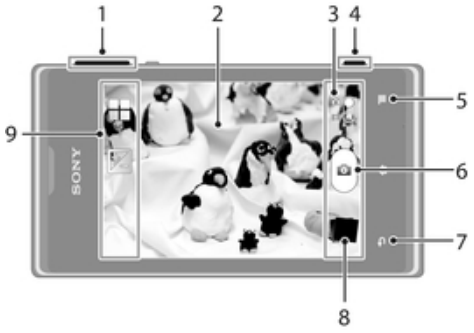
Camera

About the camera

With your phone camera, you can take regular 2D photos. Send your photos and videos to friends as multimedia messages, or upload them to a web service.

Camera controls overview



1	Zoom in or out
2	Main camera screen
3	Switch between still and video camera
4	Camera key – Activate the camera/Take photos/Record videos
5	Display all settings
6	Take photos or record video clips
7	Go back a step or exit the camera
8	View photos and videos
9	Camera setting icons

Tips on using the camera

Rule of thirds
Don’t place your subject in the middle of the frame. By placing it a third of the way in, you achieve a better result.

Hold it steady
Avoid blurry photos by holding the camera steady. Try to steady your hand by leaning it against a solid object.

Get closer
By getting as close as possible to your subject, you can fill the camera screen view with your subject.

Consider variety
Think about different angles, and move towards the subject. Take some vertical photos. Try different positions.

Use a plain background
A plain background helps highlight your subject.

Keep your lens clean
Cell phones are used in all kinds of weather and places, and carried in pockets and bags. This results in the camera lens becoming dirty and covered with fingerprints. Use a soft cloth to clean the lens.

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Taking photos with the still camera

There are three ways to take photos with the still camera. You can press the camera key, tap the on-screen camera button, or touch a spot on the screen.

To open the camera

- When the screen is active, press and hold down the camera key.

To close the camera

- Press from the main camera screen.

To take a photo using the camera key

1. Activate the camera.
2. If the still camera is not selected, drag to .
3. Press the camera key fully down.

To take a photo by tapping the on-screen button

1. Activate the camera.
2. If the still camera is not selected, drag to .
3. To display all settings, press .
4. Tap **Capturing method** and select **On-screen button** if it is not already selected.
5. Point the camera toward the subject.
6. Tap the on-screen button . The photo is taken as soon as you release your finger.

To use the zoom function

- When the camera is open, press the volume key up or down to zoom in or out.

To view your photos and videos

1. Open the camera, then tap a thumbnail at the bottom of the screen to open a photo or video.
2. Flick left or right to view your photos and videos. Videos are identified by .

In step 1, you can also flick the thumbnails from right to left and then select the one you want to view.

To delete a photo

1. Open the photo you want to delete.
2. Tap the screen to make appear.
3. Tap .
4. Tap **OK** to confirm.

Adding the geographical position to your photos

Turn on geotagging to add the approximate geographical location (a geotag) to photos when you take them. The geographical location is determined either by wireless networks (mobile or Wi-Fi® networks) or GPS technology.

When appears on the camera screen, geotagging is turned on but the geographical position has not been found. When appears, geotagging is turned on and the geographical location is available, so your photo can get geotagged. When neither of these two symbols appear, geotagging is turned off.

To turn on geotagging

1. Activate the camera.
2. If the still camera is not selected, drag to .
3. Press , then tap **Geotagging** > **On**.
4. Tap **OK** to agree to enable GPS and/or wireless networks.
5. Check the options you want to select under **Location services**.
6. After you confirm your settings, press to return to the camera screen.
7. If appears on the camera screen, your location is available and your photo can get geotagged. If not, check your GPS and/or wireless network connection.

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Still camera settings

To adjust the still camera settings

1. Activate the camera.
2. If the still camera is not selected, drag ○ to 📷.
3. Tap one of the settings icons on the left of the screen.
4. To display all settings, press ☰.
5. Select the setting you want to adjust, then edit as desired.

To customize the still camera settings panel

1. When the camera is open, press ☰ to display all settings.
2. Touch and hold the setting you want to move and drag it to the desired position.

💡 If you drag the setting outside of the settings panel, the change is canceled.

Still camera settings overview

Scenes

Use the Scenes feature to quickly set up the camera for common situations using preprogrammed scenes. The camera determines a number of settings for you to fit the selected scene, ensuring the best possible photo.

Off
The Scenes feature is off and photos can be taken manually.

Night scene
Use when taking photos at night or in poorly lit environments. Due to the long exposure time, the camera must be held still or placed on a stable surface.

Sports
Use for taking photos of fast-moving objects. Short exposure time minimizes motion blurring.

Exposure value

Determine the amount of light in the photo you want to take. A higher value indicates an increased amount of light.

White balance

The white balance setting adjusts the color balance according to the lighting conditions.

Auto
Adjust the color balance automatically to the lighting conditions.

Incandescent
Adjusts the color balance for warm lighting conditions, such as under light bulbs.

Fluorescent
Adjust the color balance for fluorescent lighting.

Daylight
Adjust the color balance for sunny outdoor conditions.

Cloudy
Adjust the color balance for a cloudy sky.

Self-timer

With the self timer you can take a photo without holding the phone. Use this function to take self-portraits, or group photos where everyone can be in the photo. You can also use the self-timer to avoid shaking the camera when taking photos.

On (10 sec.)
Set a 10-second delay from when you tap the camera screen until the photo is taken.

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On (2 sec.)
Set a 2-second delay from when you tap the camera screen until the photo is taken.

Off
The photo is taken as soon as you tap the camera screen.

Geotagging

Tag photos with details of where you took them.

On
When geotagging is turned on, the approximate geographical location is added to photos when you take them. To use geotagging, you must enable location features from the **Settings** menu. For geotags to be added to a photo, the location must be determined before you take the photo. Your location is determined when appears on the camera screen. When your device is searching for your position, appears.

Off
When geotagging is turned off, you cannot view the location where you took a photo.

Capturing method

Select the method you use to take photos.

On-screen button
Take a photo by tapping the on-screen button on the camera screen. The photo is taken as soon as you release your finger.

Touch capture
Identify a particular focus area by touching the camera screen with your finger. The photo is taken as soon as you release your finger. This applies only when focus mode is set to touch focus.

Camera key only
Take a photo only using the hardware camera key. The photo is taken as soon as you release your finger.

Recording videos

To record a video using the camera key

1. Activate the camera.
2. If the video camera is not selected, drag to .
3. To start recording a video, press the camera key.
4. To stop recording, press the camera key again.

Shoot your videos in landscape orientation to get the best results.

To record a video by tapping the screen

1. Activate the camera.
2. If the video camera is not selected, drag to .
3. To display all settings, press .
4. Tap **Capturing method** > **Touch capture** if it is not already selected.
5. Tap the camera screen to start recording.
6. Tap the camera screen to stop recording.

Shoot your videos in landscape orientation to get the best results.

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To record a video by tapping the on-screen button

1. Activate the camera.
2. If the video camera is not selected, drag to .
3. To display all settings, press .
4. Tap **Capturing method**, then select **On-screen button** if it is not already selected.
5. Point the camera toward the subject.
6. Tap to start recording.
7. Tap to stop recording.

Shoot your videos in landscape orientation to get the best results.

To play recorded videos

1. Activate the camera.
2. If the video camera is not selected, drag to .
3. Tap the thumbnails on the bottom of the screen.
4. Flick left or right to browse all photo and video files. Videos are identified by .
5. Tap to play a video.
6. To stop playing the video, tap , or .

You can also flick the thumbnails from right to left to find the file you want to play.

To delete a recorded video

1. Browse to the video that you want to delete.
2. Tap the screen to make appear.
3. Tap .
4. Tap **OK** to confirm.

Video camera settings

To adjust video camera settings

1. Activate the camera.
2. If the video camera is not selected, drag to .
3. Tap one of the settings icons on the left of the screen.
4. To display all settings, press .
5. Select the setting you want to adjust, then make your changes.

To customize the video camera settings panel

1. When the video camera is open, press to display all settings.
2. Touch and hold the setting you want to move and drag it to the desired position.

If you drag the setting outside of the settings panel, the change is canceled.

Video camera settings overview

Scenes

The Scenes feature helps you to quickly set up the camera for common situations using preprogrammed scenes. The camera determines a number of settings for you to fit the selected scene, ensuring the best possible video.

Off
The Scenes feature is off and you can shoot videos manually.

Night scene
When turned on, light sensitivity is increased. Use in poorly lit environments. Videos of fast moving objects may get blurred. Hold your hand steady, or use a support. Turn off night mode when lighting conditions are good to improve the video quality.

Sports
Use for videoing fast-moving objects. Short exposure time minimizes motion blurring.

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Exposure value

This setting allows you to determine the amount of light in the image you capture. A higher value indicates an increased amount of light.

White balance

The white balance setting adjusts the color balance according to the lighting conditions.

Auto
Adjust the color balance automatically to the lighting conditions.

Incandescent
Adjusts the color balance for warm lighting conditions, such as under light bulbs.

Fluorescent
Adjust the color balance for fluorescent lighting.

Daylight
Adjust the color balance for sunny outdoor conditions.

Cloudy
Adjust the color balance for a cloudy sky.

Self timer

With the self timer you can record a video without holding the phone. Use it to record group videos where everyone can be in the video. You can also use the self-timer to avoid shaking the camera when recording videos.

On (10 sec.)
Set a 10-second delay from when you tap the camera screen until the video begins to record.

On (2 sec.)
Set a 2-second delay from when you tap the camera screen until the video begins to record.

Off
The video begins to record as soon as you tap the camera screen.

Capturing method

Select the method you use to record a video.

On-screen button
Record a video by using the on-screen button on the camera screen.

Touch capture
Identify a particular focus area by touching the camera screen with your finger.

Camera key only
Record a video by using only the hardware camera key.

Microphone

Select whether to pick up the surrounding sound when recording videos.

Shutter sound

Choose whether to turn on or turn off the shutter sound when you record a video.

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Album

Viewing photos and videos in Album

Use Album to view photos and play videos that you've taken with your phone camera, or to view similar content that you've downloaded or copied to the memory card. You can add geotags to your photos and videos, and then view them on a world map. In Album, you can also view photos and videos that you've uploaded to an online service, for example, to a Picasa™ web album or to Facebook™.
From Album, you can also share your favorite photos and videos with friends via using Bluetooth™ wireless technology, email, messaging, and various online services. And you can perform basic editing tasks on photos and set them as wallpaper or contact pictures. For more information, see *Connecting your phone to a computer* on page 89.

Album tab overview

The following tabs are available in Album:

- **Pictures** – view all photos and videos saved to the memory card.
- **Maps** – view your geotagged photos and video clips on a world map.
- **Online** – view your online albums.

To open Album

1. From your **Home screen**, tap .
2. Find and tap **Album**.

If the screen orientation does not change automatically when you turn the phone sideways, mark the **Auto-rotate screen** checkbox under **Settings** > **Display**.

Viewing photos and videos saved in the phone

In the grid view of the **Pictures** tab in Album, you can view the thumbnails of photos and videos. You can also go to the list view of all albums and find content in each folder.

Overview of Pictures tab

1	Grid view of photos and videos.
2	Total number of photos and videos.

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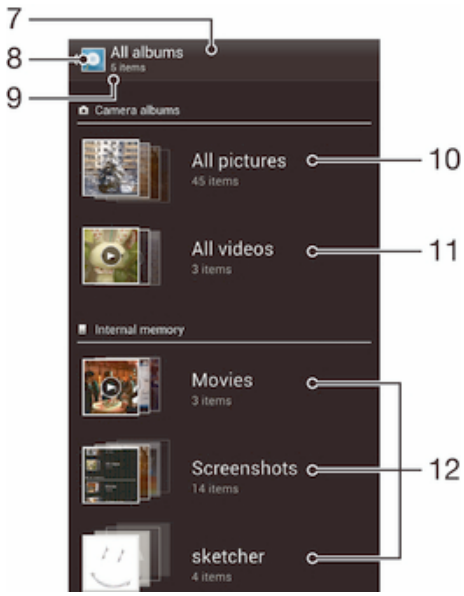
3	The date and number of items in the group below.
4	Tap a photo or video to view it.
5	Scroll up or down to view content.
6	Switch to a list view of all folders containing pictures and videos saved on your phone.



7	List view of all folders containing pictures and videos saved on your phone.
8	Tap to return to grid view in the **Pictures** tab.
9	The number of the folders containing pictures and videos.
10	Folder containing all pictures taken with your phone camera.
11	Folder containing all videos taken with your phone camera.
12	All other folders containing pictures and/or videos that you've downloaded or copied to your phone.

To view photos and videos in grid view

1. From your **Home screen**, tap .
2. Find and tap **Album**. All photos and videos are displayed in a chronologically ordered grid. Videos are indicated by ▶.
3. Tap a photo or video to view it.
4. Flick left to view the next photo or video. Flick right to view the previous photo or video.

If the screen orientation does not change automatically when you turn the phone sideways, mark the **Auto-rotate screen** checkbox under **Settings** > **Display**.

To view photos and videos in list view

1. From your **Home screen**, tap .
2. Find and tap **Album** > **Pictures**.
3. Tap . Folders containing photos and videos shot using the phone camera are displayed at the top. All other folders containing pictures and videos saved on your phone are displayed in an alphabetical list.
4. Tap a folder you want to open. The folder's content appears in a chronologically ordered grid. Videos are indicated by ▶.
5. Tap a photo or video to view it.
6. Flick left to view the next photo or video. Flick right to view the previous photo or video.

If the screen orientation does not change automatically when you turn the phone sideways, mark the **Auto-rotate screen** checkbox under **Settings** > **Display**.

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To change the size of the thumbnails in Album

- When viewing thumbnails of photos and videos in Album, spread two fingers apart to zoom in, or pinch two fingers together to zoom out.

To work with batches of photos or videos in Album

1. When viewing thumbnails of photos and videos in Album, press and tap **Select items** to activate selection mode.
2. Tap the items you want to work with. Selected items are indicated by a blue frame.
3. Use the tools in the toolbar at the top of the screen to work with your selected items.

To activate selection mode, you can also touch and hold an item until its frame turns blue. Then you can tap other items to select them.

Working with photos in Album

You can edit photos in Album. For example, you can crop photos, associate them with contacts, or use them as wallpaper.

To zoom a photo

- When you are viewing a photo, double-tap the screen to zoom in. Double-tap again to zoom out.
- When you are viewing a photo, spread two fingers apart to zoom in, or pinch two fingers together to zoom out.

To watch a slideshow of your photos

1. When you are viewing a photo, press and tap **Slideshow** to start playing all the photos in an album.
2. Tap a photo to end the slideshow.

To rotate a photo

1. When you are viewing a photo, press .
2. Select **Rotate left** or **Rotate right**. The photo is saved in the new orientation.

To crop a photo

1. When you are viewing a photo, press , then tap **Crop**.
2. To adjust the crop frame, touch and hold the edge of the crop frame. When the squares at the edges disappear, drag inward or outward to resize the frame.
3. To resize all sides of the crop frame at the same time, touch and hold one of the four corners to make the squares at the edges disappear, then drag the corner accordingly.
4. To move the crop frame to another area of the photo, touch and hold inside the frame, then drag it to the desired position.
5. To save a copy of the photo as you cropped it, tap **Crop**. The original uncropped version remains on your phone's memory card.

To use a photo as a contact picture

1. When you are viewing a photo, press , then tap **Use as** > **Contact picture**.
2. Select the contact you want to associate with the photo.
3. Crop the photo, if required.
4. Tap **Crop**.

To use a photo as wallpaper

1. When you are viewing a photo, press , then tap **Use as** > **Wallpaper**.
2. Crop the photo, if required.
3. Tap **Crop**.

To edit a photo

- When you are viewing a photo, press , then tap **Edit photo**.

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To share a photo

1. When you are viewing a photo, tap the screen to display the toolbars, then tap .
2. In the menu that opens, tap the application that you want to use to share the photo, then follow the steps to send it.

To add a geotag to a photo

1. When you are viewing a photo, tap the screen to display the toolbars, then tap to open the map screen.
2. Find and tap the desired location to put the photo on the map.
3. To adjust the location of the photo, tap the location on the map to where you want to move the photo.
4. When you are done, tap **OK** to save the geotag and return to the photo viewer.

When a photo is geotagged, appears along with location information. You can tap this icon to view the photo on a map.

To delete a photo

1. When you are viewing a photo, tap the screen to display the toolbars, then tap .
2. Tap **OK**.

Working with videos in Album

Use Album to watch videos that you've taken with the camera, downloaded, or copied to your memory card. You can also share your videos with friends, or upload them to YouTube™.

To play a video

1. Open the **Pictures** tab in Album.
2. Using grid view or list view, locate the video that you want to open.
3. Tap the video to play it.
4. If the playback controls are not displayed, tap the screen to display them. To hide the controls, tap the screen again.

To pause a video

1. When a video is playing, tap the screen to display the controls.
2. Tap .

To fast forward and rewind a video

1. When a video is playing, tap the screen to display the controls.
2. Drag the progress bar marker left to rewind, or right to fast forward.

To adjust the volume of a video

- Press the volume key.

To share a video

1. When a video is playing, press , then tap **Share**.
2. In the menu that opens, tap the application that you want to use to share the selected video, then follow the relevant steps to send it.

You might not be able to copy, send or transfer copyright-protected items. Also, some items may not send if the file size is too large.

To delete a video

1. In Album, find the video you want to delete.
2. Touch and hold the video to activate selection mode. The frame of the video thumbnail turns blue when it is selected.
3. Tap , then tap **OK**.

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Viewing your photos on a map

If you enable location detection when taking photos, you can use the information gathered at a later stage. For example, you can view your photos on a map and show friends and family where you were when you took the photo. Adding location information is also referred to as geotagging. When you enable location detection, you can select to use either GPS satellites or wireless networks, or both, to find your position.

Overview of Maps tab

1	The number of geotagged photos and videos.
2	Double tap to zoom in. Pinch to zoom out. Drag to view different parts of the map.
3	A group of photos and/or videos geotagged with the same location.
4	Thumbnails of the selected group of photos and/or videos. Tap an item to view it in full screen.
5	Search a location on the map.
6	Switch to globe view.

To enable location detection

1. From your **Home screen**, tap .
2. Find and tap **Settings** > **Location services**.
3. Mark the **GPS satellites** and/or **Google's location service** checkboxes.

To view geotagged photos on a map in Album

1. From your **Home screen**, tap .
2. Find and tap **Album** > **Maps**.
3. Tap a photo to view it in full screen.
4. If several photos were taken at the same location, only one of them appears on the map. The total number of photos appears in the top right corner, for example, . To view these photos, tap the cover photo and then tap one of the thumbnails at the bottom of the screen.

When viewing a geotagged photo in the photo viewer, you can touch the screen to display the toolbars, then tap to view the photo on the map.

To add a geotag when viewing the map in Album

1. When viewing the map in Album, press , then tap **Add geotag**.
2. Find and tap the photo to which you want to add the geotag.
3. Tap the desired location on the map to set the geotag, then tap **OK**.

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To edit the geotag of a photo in Album

1. When viewing a photo on the map in Album, touch and hold the photo until its frame turns blue.
2. Drag the photo to the new location.

You can also tap the desired location on the map instead of dragging.

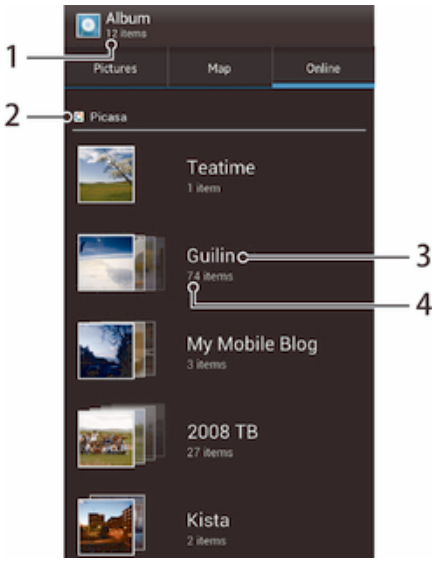
To change the map view in Album

- When viewing the map in Album, press , then select **Classic view** or **Satellite view**.

Viewing your online albums

In Album, you can view the photos and videos you've uploaded to online services, such as Picasa™ and Facebook™. View comments from your friends and add your own comments as well. You can also recommend or "Like" a photo when you view your albums in Facebook™.

Overview of Online tab



1	Number of available online albums.
2	Active online service.
3	Name of an online album.
4	Number of items in the online album.

To view photos from online services in Album

1. Make sure you are signed in to the relevant online service, for example, Facebook™.
2. From your **Home screen**, tap .
3. Find and tap **Album** > **Online**. All your available online albums are displayed.
4. Tap any album to view its contents, then tap a photo in the album.
5. In the photo viewer, flick left to view the next photo or video. Flick right to view the previous photo or video.

To view and add comments to online album content

1. When viewing a photo from an online album, tap the screen to display the toolbars, then tap to view the comments.
2. To view more comments, scroll down the screen.
3. To add your own comments, enter your comments at the bottom of the screen, then tap **Post**.

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To recommend a photo or video on Facebook™

- While viewing a photo or video from one of your Facebook™ albums, tap the screen to display the toolbars, then tap to show that you "Like" the item on **Facebook™**.

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Movies

About Movies

Use the Movies application to play movies and other video content that you've saved on your phone. The Movies application also helps you get poster art, plot summaries, genre info, and director details for each movie. You can also play your movies on other devices that are connected to the same network.

Videos taken with your phone camera are displayed in Album, not in Movies. .

Using Movies

To play video clips in Movies

1. From your **Home screen**, tap .
2. Find and tap **Movies**. All movies are displayed in a grid.
3. Tap the movie you want to select, then tap to play it.
4. To display or hide the controls, tap the screen.
5. To pause the movie, tap .
6. To rewind the movie, drag the progress bar marker left. To fast-forward the movie, drag the progress bar marker right.

To play a movie in full screen

1. When a movie is playing, tap the screen to display the controls.
2. Tap .

To play the movie in its original size, tap .

To share a movie

1. When a movie is playing, press , then tap **Share**.
2. In the menu that opens, tap the application that you want to use to share the selected video, then follow the relevant steps to send it.

To get movie information manually

1. From your **Home screen**, tap .
2. Find and tap **Movies**. All movies are displayed in a grid.
3. Press , then make sure that the **Online mode** checkbox is marked and that your phone has a data connection.
4. Touch and hold the movie for which you want to get information, then tap **Search for info** in the list that appears.
5. In the search field, enter keywords for the movie, then tap . All matches are displayed in a list.
6. Tap the result you want, then tap **Done**. The download of the information begins.
7. When the download is finished, tap the movie to view its information. If the information is not correct, tap and search again.

Data transmission charges may apply.

To clear the information for a movie

1. From your **Home screen**, tap .
2. Find and tap **Movies**. All movies are displayed in a grid.
3. Touch and hold the desired movie, then tap **Clear info** from the list that appears.

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Web browser

About the web browser

Use your web browser to view and navigate web pages, add pages as bookmarks, and save pages for offline viewing. You can open up to 16 windows at the same time and switch among them easily. You can also request the desktop version of a web page if you don't want to view the mobile version.

A version of the Google™ Chrome web browser for Android™ devices comes pre-installed in many markets. For more information, go to *play.google.com/store/apps/details?id=com.android.chrome*.

To open the web browser

1. From your **Home screen**, tap .
2. Find and tap .

Browsing the web

Search and address bar

Use the search and address bar to browse the web.

1 View the download progress of the current web page

2 Enter a search word to search for a web page, or enter a web page address to load a web page

3 Cancel the download of the current web page

Sometimes the search and address bar is not displayed after a web page finishes downloading. It appears again if you flick downwards on the screen.

To go to a web page

1. Tap the search and address text field to activate the keypad.
2. Enter a web address.
3. Tap **Go**.

To search a web page

1. Tap the search and address text field to activate the keypad.
2. Enter a search word.
3. Tap **Go**.

To exit the web browser

- While browsing, press .

When you open the browser again, even after restarting the phone, the browser appears exactly as it did before you exited. For example, the same number of windows will be open.

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Navigating web pages

To select a link

- To select a link in a web page, tap the link. The selected link gets highlighted, and the web page starts to load after you release your finger.

If you select a link by mistake before releasing your finger, you can drag your finger away from the link to deselect it.

To go to the previous page while browsing

- Press .

To zoom in or out on a web page

Use one of the following methods to zoom in or out on a web page:

- Double-tap to zoom in on the web page, or double-tap again to zoom out.
- Touch an area of the page with two fingers at once and spread them apart to zoom in, or pinch them together to zoom out.

To reload the current web page

- Press , then tap **Refresh**.

To save a web page for offline viewing

1. After the web page has loaded, press .
2. Tap **Save for offline reading**. You are then directed to the **Saved pages** tab, where you can view all saved web pages.

If the memory card is not available, the web page cannot be saved.

To view a previously saved web page

1. When the browser is open, flick downward on the screen to make the search and address bar appear.
2. Tap next to the search and address bar.
3. Tap , then tap the **Saved pages** tab.
4. Find and select a web page you want to view.

To load the live version of an offline web page

1. When an offline web page is open, press .
2. Tap **Go live**.

To request the desktop version of a web page

1. While browsing the web page, press .
2. Tap **Request desktop site**.

Once you choose to view the desktop version of a web page in a window, any other web pages that you view later in the same window will also show their desktop versions. Tap **Request desktop site** again to change the setting back.

To share a link to the current web page

1. While browsing, press .
2. Tap **Share page**.
3. Select an available transfer method, then follow the on-screen instructions.

To close a browser window

1. When the browser is open, flick downward on the screen to make the search and address bar appear.
2. Tap next to the search and address bar. A list of all open windows appears.
3. Tap in the window you want to close, or flick the window left or right off the screen to close it.

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Managing bookmarks

Bookmarks let you access your favorite and frequently visited web pages quickly. You can add bookmarks directly from your phone browser. You can also synchronize your phone browser with Google Chrome™ bookmarks that you have synchronized to your Google account using a computer. See *To synchronize your browser with Google™ Chrome* on page 93.

Depending on your network operator, some bookmarks may be preinstalled on your phone.

To bookmark a web page

1. While you are viewing the web page, press .
2. Tap **Save to bookmarks**.
3. If desired, edit the bookmark.
4. When you're done, tap **OK**.

To open a bookmark

1. When the browser is open, flick downward on the screen to make the search and address bar appear.
2. Tap next to the search and address bar, then tap . The names of any accounts that you have synchronized with Google Chrome™ are displayed. Bookmarks that you have saved directly on the phone are listed under the **Local** account.
3. To show an account's bookmarks, tap the account. All bookmarks in the account are displayed.
4. To open a bookmark, tap it.

To edit a bookmark

1. When the browser is open, flick downward on the screen to make the search and address bar appear.
2. Tap next to the search and address bar, then tap .
3. Touch and hold a bookmark.
4. In the menu that appears, tap **Edit bookmark**.
5. Edit the bookmark as desired.
6. When you're done, tap **OK**.

To add a bookmarked webpage to your Home screen

1. When the browser is open, flick downward on the screen to make the search and address bar appear.
2. Tap next to the search and address bar, then tap .
3. Tap and hold a bookmark that you want to add to your **Home screen**.
4. In the menu that appears, tap **Add shortcut to home**.

To delete a bookmark

1. When the browser is open, flick downward on the screen to make the search and address bar appear.
2. Tap next to the search and address bar, then tap .
3. Touch and hold a bookmark.
4. In the menu that appears, tap **Delete bookmark** to delete the selected bookmark.

To bookmark a previously visited web page

1. When the browser is open, flick downward on the screen to make the search and address bar appear.
2. Tap next to the search and address bar, then tap .
3. Tap the **History** tab, then tap one of the down arrows to view a list of previously visited web pages.
4. Tap ★ beside the web page you want to add as a bookmark.
5. If desired, edit more detailed information such as the name and location of the bookmark.
6. When you're done, tap **OK**.

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Managing text and images

To find text on a web page

1. When you are viewing a web page, press .
2. Tap **Find on page**.
3. Enter your search text. Characters that match your search get highlighted on the web page.
4. Tap the up or down arrows to go to the previous or next highlighted item.
5. Tap ✓ to close the search bar.

To copy text from a web page

1. Touch and hold part of the text you want to copy until it becomes highlighted. Tabs appear at each end of the selection. Drag the tabs accordingly to select all the text you want to copy.
2. Tap , then tap **Copy**.
3. To paste text into an email, text message, or multimedia message, touch and hold the text field in the relevant application and tap **Paste** in the menu that appears.

! If the text you want to copy is part of a link to another web page, a menu appears where you need to tap **Select text** before you can continue.

To save an image from a web page

1. On the active web page, touch and hold the desired image until a menu appears.
2. Tap **Save image**.

! If the memory card is not available, the image cannot be saved.

Multiple windows

Your browser can run up to 16 different windows at the same time. You can, for example, log in to your webmail in one window and read the daily news in another. You can easily switch from one window to another. If you want to browse the web with more privacy, you can use the incognito tab to open a window that saves no personal information or cookies while you're connected through it.

To open a new browser window

1. When the browser is open, flick downward on the screen to make the search and address bar appear.
2. Tap next to the search and address bar, then tap +.

To open an incognito window

1. When the browser is open, flick downward on the screen to make the search and address bar appear.
2. Tap next to the search and address bar.
3. Press , then tap **New incognito tab**.

To open a link in a new browser window

1. Touch and hold a link until a menu appears.
2. Tap **Open in new tab**.

To switch between browser windows

1. When the browser is open, flick downward on the screen to make the search and address bar appear.
2. Tap next to the search and address bar.
3. Scroll up and down to browse a list of all open windows.
4. Tap the window you want to switch to.

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Downloading from the web

You can download applications and content when you browse the web using the web browser in your phone. Usually you have to touch a download link for the desired file and the download then starts automatically.

To view your downloaded files

1. Make sure that you have inserted a memory card in your phone before viewing any previously downloaded files (to the card).
2. From your **Home screen**, tap .
3. Find and tap **Downloads**.

To cancel an ongoing download

1. When your phone starts downloading a file, drag down the status bar and tap the file you are downloading.
2. Mark the checkbox beside the downloading file that you want to cancel.
3. Tap .

Browser settings

You can change the browser settings and customize your browser view. For example, you can change the size of the text displayed to suit your needs, or you can clear cache, cookies, browser history, and other data linked to the websites you visit.

To change your browser settings

1. When the browser is open, press .
2. Tap **Settings**.

To change the text size on web pages

1. When the browser is open, press .
2. Tap **Settings** > **Accessibility**.
3. Adjust the text size settings as desired.

To clear the cache memory from your phone

1. When the browser is open, press .
2. Tap **Settings** > **Privacy & security**.
3. Tap **Clear cache**, then tap **OK** to confirm.

To clear your browser cookies

1. When the browser is open, press .
2. Tap **Settings** > **Privacy & security**.
3. Tap **Clear all cookie data**, then tap **OK** to confirm.

To clear your browser history

1. When the browser is open, press .
2. Tap **Settings** > **Privacy & security**.
3. Tap **Clear history**, then tap **OK** to confirm.

Auto-fitting web pages

Your browser has an auto-fit option which makes it easier to read large web pages with lots of text and images, such as news pages. When this option is enabled, your browser automatically refits images and columns of text on the screen when you double-tap the screen directly after zooming with your fingers. If auto-fit is disabled, you may need to scroll sideways to read a full sentence.

To auto-fit web pages

1. When the browser is open, press .
2. Tap **Settings** > **Advanced** > **Auto-fit pages**.

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Auto-filling text

Auto-filling allows you to automatically enter data such as names and addresses on various web forms, so you don’t have to enter the same information repeatedly on different web pages.

To create text for auto-filling

1. When the browser is open, press .
2. Tap **Settings** > **General**.
3. Mark the **Form auto-fill** checkbox, if it is not already marked.
4. Tap **Auto-fill text**, then enter text that you want to use for auto-filling on web forms, for example, your name and address.
5. When you're done, tap **Save**.

Plugin settings

You can adjust how a plugin functions on a web page. For example, you can enable plugins to get optimal visual effect when you view a web page. Alternatively, to increase browsing speed, you can configure your browser to only run plugins on demand, or you can disable plugins completely.

To enable plug-ins on demand

1. When the browser is open, press .
2. Tap **Settings** > **Advanced** > **Enable plug-ins**.
3. Mark the **On demand** checkbox.

You may need to restart your browser for the setting to take effect.

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Connectivity

Connecting to wireless networks

You can access the Internet wirelessly from your phone using Wi-Fi® technology. This way you can browse the web and access cheaper call and data rates.

If your company or organization has a virtual private network (VPN), you can connect to this network with your phone. You can use a VPN to access intranets and other internal services at your company.

Wi-Fi®

Using Wi-Fi® technology you can access the Internet wirelessly with your phone. To access the Internet using a Wi-Fi® connection, you first need to search for and connect to an available Wi-Fi® network. The signal strength of the Wi-Fi® network may differ depending on your phone's location. Moving closer to the Wi-Fi® access point may increase the signal strength.

To turn on Wi-Fi®

1. From your **Home screen**, tap .
2. Find and tap **Settings**.
3. Tap **OFF** beside **Wi-Fi** so that **OFF** changes to **ON**. The phone scans for available Wi-Fi® networks.

! It may take a few seconds before Wi-Fi® is enabled.

To connect to a Wi-Fi® network

1. From the **Home screen**, tap .
2. Find and tap **Settings**.
3. Make sure the Wi-Fi® function is on. Tap **Wi-Fi**.
4. Available Wi-Fi® networks are displayed. The available networks may be open or secured. Open networks are indicated by and secured networks are indicated by next to the Wi-Fi® network name.
5. Tap a Wi-Fi® network to connect to it. If you are trying to connect to a secure Wi-Fi® network, you are asked to enter a password. is displayed in the status bar once you are connected.

! Your phone remembers Wi-Fi® networks you connect to. The next time you come within reach of a previously connected Wi-Fi® network, your phone automatically connects to it.

In some locations, open Wi-Fi® networks require you to log in to a web page before you can get access to the network. Contact the relevant Wi-Fi® network administrator for more information.

To connect to another Wi-Fi® network

1. From your **Home screen**, tap .
2. Find and tap **Settings** > **Wi-Fi**. Detected Wi-Fi® networks are displayed.
3. Tap another Wi-Fi® network to connect to it.

To scan for Wi-Fi® networks manually

1. From your **Home screen**, tap .
2. Find and tap **Settings** > **Wi-Fi**.
3. Tap **Scan**. The phone scans for Wi-Fi® networks and displays available networks in a list.
4. Tap a Wi-Fi® network in the list to connect to it.

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To add a Wi-Fi® network manually

1 From the **Home screen**, tap .
2 Find and tap **Settings** > **Wi-Fi**.
3 Tap **Add network**.
4 Enter the **Network SSID** for the network.
5 Tap the **Security** field to select a security type.
6 If required, enter a password.
7 Tap **Save**.

! Contact your Wi-Fi® network administrator to get the Network SSID name and password.

Advanced Wi-Fi® settings

Before you add a Wi-Fi® network manually, you need to turn on the Wi-Fi® setting in your phone.

Wi-Fi® network status

When you are connected to a Wi-Fi® network or when there are Wi-Fi® networks available in your vicinity, it is possible to see the status of these Wi-Fi® networks. You can also enable the phone to notify you whenever an open Wi-Fi® network is detected.

To enable Wi-Fi® network notifications

1 Turn on Wi-Fi®, if it is not already on.
2 From your **Home screen**, tap .
3 Find and tap **Settings** > **Wi-Fi**.
4 Press .
5 Tap **Advanced**.
6 Mark the **Network notification** checkbox.

To view detailed information about a connected Wi-Fi® network

1 From the **Home screen**, tap .
2 Find and tap **Settings** > **Wi-Fi**.
3 Tap the Wi-Fi® network that you are currently connected to. Detailed network information is displayed.

Wi-Fi® sleep policy

By adding a Wi-Fi® sleep policy, you can specify when to switch from Wi-Fi to mobile data.

! If you are not connected to a Wi-Fi® network, the phone uses mobile data connection to access the Internet (if you have set up and enabled a mobile data connection in your phone).

To add a Wi-Fi® sleep policy

1 From the **Home screen**, tap .
2 Find and tap **Settings** > **Wi-Fi**.
3 Press .
4 Tap **Advanced**.
5 Tap **Keep Wi-Fi on during sleep**.
6 Select an option.

Sharing your phone's mobile data connection

You can share your phone's mobile data connection with a single computer using a USB cable. This process is called USB tethering. You can also share your phone's data connection with up to eight devices at once, by turning your phone into a portable Wi-Fi® hotspot.

When your phone is sharing its data connection, the following icons may appear in the status bar or in the Notification panel:

 USB tethering is active

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Portable Wi-Fi® hotspot is active

To share your phone's data connection using a USB cable

1. Deactivate all USB cable connections to your phone.
2. Using the USB cable that came with your phone, connect your phone to a computer.
3. From your **Home screen**, tap .
4. Find and tap **Settings** > **More…** > **Tethering & portable hotspot**.
5. Mark the **USB tethering** checkbox. The phone starts sharing its cellular data connection with the computer over the USB connection. An ongoing notification appears in the status bar and the Notification panel.
6. Unmark the **USB tethering** checkbox, or disconnect the USB cable to stop sharing your data connection.

! You cannot share your phone's data connection and SD card over a USB cable at the same time. For more information, see *Connecting your phone to a computer* on page 89.

You may need to prepare your computer to establish a network connection via USB cable. Go to android.com/tether to get the most current information.

To share your phone's data connection as a portable Wi-Fi® hotspot

1. From the **Home screen**, tap .
2. Find and tap **Settings** > **More…** > **Tethering & portable hotspot**.
3. Tap **Configure Wi-Fi hotspot**.
4. Enter the **Network SSID** for the network. Tap the **Security** field to select a security type.
5. If required, enter a password.
6. Tap **Save**.
7. Mark the **Portable Wi-Fi hotspot** checkbox. The phone starts broadcasting its Wi-Fi® network name (SSID). You can now connect to this network with up to 8 computers or other devices.
8. Unmark the **Portable Wi-Fi hotspot** checkbox when you want to stop sharing your data connection via Wi-Fi®.

To rename or secure your portable hotspot

1. From the **Home screen**, tap .
2. Find and tap **Settings** > **More…** > **Tethering & portable hotspot**.
3. Tap **Configure Wi-Fi hotspot**.
4. Enter the **Network SSID** for the network.
5. To select a security type, tap the **Security** field.
6. If required, enter a password.
7. Tap **Save**.

Bluetooth™ wireless technology

Use the Bluetooth™ function to send files to other Bluetooth™ compatible devices, or to connect to handsfree accessories. Turn on the Bluetooth™ function in your phone and create wireless connections to other Bluetooth™ compatible devices such as computers, handsfree accessories, and phones. Bluetooth™ connections work better within a 10 meter (33 foot) range, with no solid objects in between. In some cases you have to manually pair your phone with other Bluetooth™ devices. Remember to set your phone to "discoverable" if you want other Bluetooth™ devices to detect it.

! Interoperability and compatibility among Bluetooth™ devices can vary.

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To turn on the Bluetooth™ function and make your phone visible

1 From your **Home screen**, tap .
2 Find and tap **Settings**.
3 Tap **OFF** beside **Bluetooth** so that **OFF** changes to **ON**. appears in the status bar.
4 Tap **Bluetooth**.
5 Tap **Not visible to other Bluetooth devices**.

To adjust your phone's visibility time to other Bluetooth™ devices

1 From your **Home screen**, tap .
2 Find and tap **Settings** > **Bluetooth**.
3 Press and select **Visibility timeout**.
4 Select an option.

Naming your phone

You can give your phone a name. This name is shown to other devices after you have turned on the Bluetooth™ function and your phone is set to visible.

To give your phone a name

1 Make sure that the Bluetooth™ function is turned on.
2 From your **Home screen**, tap .
3 Find and tap **Settings** > **Bluetooth**.
4 Press and select **Rename phone**.
5 Enter a name for your phone.
6 Tap **Rename**.

Pairing with another Bluetooth™ device

When you pair your phone with another device, you can, for example, connect your phone to a Bluetooth™ handsfree or a Bluetooth™ car kit and use these devices to make and receive calls.

Once you have paired your phone with a Bluetooth™ device the phone will remember this pairing. When pairing the phone with a Bluetooth™ device, you may need to enter a passcode. Your phone will automatically try the generic passcode 0000. If this does not work, refer to your Bluetooth™ device documentation for the device passcode. You do not need to re-enter the passcode the next time you connect to a paired Bluetooth™ device.

Some Bluetooth™ devices, for example, most Bluetooth™ headsets, require you to both pair and connect with the other device.

You can pair your phone with several Bluetooth™ devices, but you can only connect to one Bluetooth™ profile at the same time.

To pair your phone with another Bluetooth™ device

1 Make sure that the device you want to pair your phone with has the Bluetooth™ function activated and is visible to other Bluetooth™ devices.
2 From the **Home screen**, tap .
3 Find and tap **Settings** > **Bluetooth**. All available Bluetooth™ devices appear in a list.
4 Tap the Bluetooth™ device you want to pair with your phone.
5 Enter a passcode, if required. The phone and the Bluetooth™ device are now paired.

To connect your phone to another Bluetooth™ device

1 If you are connecting to a Bluetooth device that requires you to first pair your phone before connecting, follow the relevant steps to pair your phone with that device.
2 From your **Home screen**, tap .
3 Find and tap **Settings** > **Bluetooth**.
4 Tap the Bluetooth™ device you want to connect your phone to.

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To unpair a Bluetooth™ device

1. From the **Home screen**, tap .
2. Find and tap **Settings** > **Bluetooth**.
3. Under **Paired devices**, tap beside the name of the device you want to unpair.
4. Tap **Unpair**.

Sending and receiving items using Bluetooth™ technology

Share items with other Bluetooth™ compatible devices such as phones or computers. You can send and receive several kinds of items using the Bluetooth™ function, such as:

- Photos and videos
- Music and other audio files
- Contacts
- Web pages

To send items using Bluetooth™

1. **Receiving device:** Make sure the Bluetooth™ function is turned on and that the device is visible to other Bluetooth™ devices.
2. **Sending device:** Open the application which contains the item that you want to send, and scroll to the item.
3. Depending on the application and the item you want to send, you may need to, for example, touch and hold the item, open the item or press . Other ways to send an item may exist.
4. Select **Share** or **Send**.
5. Select **Bluetooth**.
6. Turn on Bluetooth™, if you are asked to do so.
7. Tap the name of the receiving device.
8. **Receiving device:** If asked, accept the connection.
9. **Sending device:** If asked, confirm the transfer to the receiving device.
10. **Receiving device:** Accept the incoming item.

To receive items using Bluetooth™

1. Make sure that the Bluetooth™ function is on and is visible to other Bluetooth™ devices.
2. The sending device now starts sending data to your phone.
3. If prompted, enter the same passcode on both devices, or confirm the suggested passcode.
4. When you are notified of an incoming file to your phone, drag the status bar downward and tap the notification to accept the file transfer.
5. Tap **Accept** to start the file transfer.
6. To view the progress of the transfer, drag the status bar downward.
7. To open a received item, drag the status bar downward and tap the relevant notification.

To view files you have received using Bluetooth™

1. From your **Home screen**, tap .
2. Find and tap **Settings** > **Bluetooth**.
3. Press and select **Show received files**.

Connecting your phone to a computer

Connect your phone to a computer and start transferring pictures, music and other file types. The easiest ways to connect are using a USB cable or Bluetooth wireless technology.

When you connect your phone to the computer using a USB cable, you are prompted to install the PC Companion application on your computer. PC Companion helps you access additional computer applications to transfer and organize media files, update your phone, synchronize phone content, and more.

! You might not be able to transfer some copyright-protected material between your phone and computer.

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Transferring and handling content using a USB cable

Use a USB cable connection between a computer and your phone for easy transfer and management of your files. Once the two devices are connected, you can drag and drop content between them using the computer's file explorer. If you're transferring music, video, pictures, or other media files to your phone, it's best to use the Media Go™ application on your computer. Media Go™ converts media files so you can use them on your phone.

To transfer content between a phone and computer using a USB cable

1. Using a USB cable, connect your phone to a computer. **Internal storage connected** appears in the status bar.
2. **Computer**: Open Microsoft® Windows® Explorer from the desktop and wait until your phone's memory card appears as an external disk in Microsoft® Windows® Explorer.
3. **Computer**: Drag and drop the desired files between your phone and the computer.

Transferring files using Media transfer mode via Wi-Fi®

You can transfer files between your phone and other MTP compatible devices, such as a computer, using a Wi-Fi® connection. Before connecting, you first need to pair the two devices. If you're transferring music, video, pictures, or other media files between your phone and a computer, it's best to use the Media Go™ application on the computer. Media Go™ converts media files so you can use them on your phone.

In order to use this feature, you need a Wi-Fi® enabled device that supports Media transfer, for example, a computer running Microsoft® Windows Vista® or Windows® 7.

To pair your phone wirelessly with a computer using Media transfer mode

1. Make sure Media transfer mode is enabled on your phone. It is normally enabled by default.
2. Connect your phone to the computer using a USB cable.
3. **Computer**: Once the phone name appears on the screen, click *Network configuration* and follow the instructions to pair the computer.
4. When you are finished pairing, disconnect the USB cable from both devices.

The above instructions only work if Windows® 7 is installed on your computer and the computer is connected to a Wi-Fi® Access Point via a network cable.

To connect paired devices wirelessly in Media transfer mode

1. Make sure Media transfer mode is enabled on your phone. It is normally enabled by default.
2. From your **Home screen**, tap .
3. Find and tap **Settings** > **Xperia™** > **Connectivity**.
4. Tap the paired device that you want to connect to under **Trusted devices**.
5. Tap **Connect**.

Make sure your phone's Wi-Fi® function is turned on.

To disconnect a wirelessly paired device in Media transfer mode

1. From your **Home screen**, tap .
2. Find and tap **Settings** > **Xperia™** > **Connectivity**.
3. Tap the paired device that you want to disconnect from under **Trusted devices**.
4. Tap **Disconnect**.

To remove a pairing with another device

1. From your **Home screen**, tap .
2. Find and tap **Settings** > **Xperia™** > **Connectivity**.
3. Tap the paired device that you want to remove.
4. Tap **Forget**.

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PC Companion

PC Companion is a computer application that gives you access to additional features and services which help you transfer music, video and pictures to and from your phone. You can also use PC Companion to update your phone and get the latest software version available. The installation files for PC Companion are saved on your phone and the installation is launched from the phone when you connect it to a computer via USB cable.

You need a computer running one of the following operating systems to use the PC Companion application:

- Microsoft® Windows® 7
- Microsoft® Windows Vista®
- Microsoft® Windows® XP (Service Pack 3 or higher)

To start PC Companion

1. Make sure that PC Companion is installed on your PC.
2. Open the PC Companion application on the PC, then click **Start** to open one of the features you want to use.

Media Go™

The Media Go™ computer application helps you transfer and manage media content in your phone and computer. You can install and access Media Go™ from within the PC Companion application.

You need one of these operating systems to use the Media Go™ application:

- Microsoft® Windows® 7
- Microsoft® Windows Vista®
- Microsoft® Windows® XP, Service Pack 3 or higher

To transfer content using the Media Go™ application

1. Connect your phone to a computer using a supported USB cable.
2. **Phone**: In the status bar, **Internal storage connected** appears.
3. **Computer**: Open the PC Companion application on the PC first. In PC Companion, click *Media Go* to start the Media Go™ application. In some cases, you may have to wait for Media Go™ to install.
4. Using Media Go™, drag and drop files between your computer and phone.

Scanning barcodes with the NeoReader™ application

About scanning with the NeoReader™ application

Use your phone as a barcode scanner to find out more about items you scan. For example, you see a coat in a magazine ad and want to find the nearest retail outlet to buy it. If the ad contains a readable barcode, the NeoReader™ application uses this code to access mobile web content, such as a web page with more product information or a map of nearby outlets. NeoReader™ supports most standard barcode types.

To start the NeoReader™ application

1. From the **Home screen**, tap .
2. Find and tap **NeoReader™**.

To scan a barcode

1. When the NeoReader™ application is open, hold the phone's camera over the barcode until the complete barcode is visible in the viewfinder.
2. The phone automatically scans the barcode, and vibrates when the barcode is recognized.

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To enter a barcode manually

1 When the NeoReader™ application is open, tap ⌐¬.
2 Enter the numbers of the barcode in the text field, then tap **GO!**.

NeoReader™ application menu overview

The following menu options are available in the NeoReader™ application:

⌐¬	Tap to open more options
	Enter the barcode numbers manually. This option can be used if your camera has difficulty reading the barcode
	View a list of previously scanned barcodes
?	View information about the NeoReader™ application. Read more about different barcode types, and about how to use NeoReader™
	Select your personal settings, such as language or country. This information is used to personalize barcode content. Also, you can select preferences for how you use the NeoReader™ application
	Send a text message to invite a friend to download the NeoReader™ application

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Synchronizing data on your phone

About synchronizing data on your phone

You can sync contacts, email, calendar events, and other information with your phone from multiple email accounts, synchronization services, and other kinds of accounts, depending on the applications installed on your phone. Synchronizing your phone with other information sources is an easy and practical way to stay up to date.

You can:

- access your **Gmail™** , Google Calendar™, Google™ contacts, Google™ Chrome™ bookmarks, and other Google services you use.
- access your corporate email, contacts, and calendar applications.
- access your Facebook™ contacts, calendar, albums, and other services you use.

Synchronizing with Google™

Synchronize your phone with your **Gmail™** , Google Calendar™, Google™ contacts, Google™ Chrome bookmarks, and data from other Google services you use. View and manage them from your phone just as easily as you would from a computer.

After synchronizing, you can find **Gmail™** in the **Gmail™** application; Google Calendar™ in the Calendar application; Google™ contacts in the Contacts application; and other data in corresponding Google applications that you have installed.

To set up a Google™ account in your phone for automatic synchronization

1. From your **Home screen**, tap .
2. Tap **Settings** > **Accounts & sync**.
3. Make sure that synchronization is turned on so that applications can synchronize data automatically.
4. Tap **Add account** > **Google**.
5. Follow the registration wizard to create a Google™ account, or sign in if you already have an account.
6. Tap **Next**.
7. Tap your newly created Google™ account, then tap the items you want to synchronize.

To synchronize manually with your Google™ account

1. From the **Home screen**, tap .
2. Tap **Settings** > **Accounts & sync**.
3. Tap the Google™ account you want to synchronize.
4. Press , then tap **Sync now**.

To synchronize your browser with Google™ Chrome

1. From your **Home screen**, tap .
2. Tap **Settings** > **Accounts & sync**.
3. Tap the Google™ account, then mark the relevant checkbox to synchronize the browser.

To remove a Google™ account from your phone

1. From your **Home screen**, tap .
2. Tap **Settings** > **Accounts & sync**.
3. Tap the Google™ account you want to remove from the accounts list.
4. Press , then tap **Remove account**.
5. Tap **Remove account** again to confirm.

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Synchronizing your corporate email, calendar and contacts

Access your corporate email messages, calendar appointments and contacts directly from your phone. View and manage them just as easily as you would from a computer. After setup, you can find your information in the **Email**, **Calendar** and **Contacts** applications.

! For you to access the functionality described above, your corporate information must be stored on a Microsoft® Exchange server.

To set up corporate email, calendar, and contacts in your phone

1. From your **Home screen**, tap .
2. Tap **Settings** > **Accounts & sync**.
3. Make sure that synchronization is turned on so your data synchronizes automatically according to the sync interval you set.
4. Tap **Add account** > **Corporate**.
5. Enter your corporate email address and password.
6. Tap **Next**. Your phone begins to retrieve your account information. If a failure occurs, contact your corporate network administrator for more information such as the domain name and Exchange server address.
7. Tap **OK** to allow your corporate server to control your phone.
8. Select what data you want to sync with the phone, such as contacts and calendar entries.
9. If desired, activate the device administrator to allow your corporate server to control certain security features in your phone. For example, allow your corporate server to set password rules and set storage encryption.
10. When the setup is done, you can enter a name for the corporate account so that it can be easily identified.

To edit the setup of corporate email, calendar, and contacts

1. From your **Home screen**, tap .
2. Tap **Settings** > **Accounts & sync** and select your corporate account.
3. Tap **Account settings**, then tap the corporate account you want to edit.
4. Change the desired settings.

To set a synchronization interval for a corporate account

1. From your **Home screen**, tap .
2. Tap **Settings** > **Accounts & sync** and select your corporate account.
3. Tap **Account settings**, then tap the corporate account you want to set a synchronization level for.
4. Tap **Inbox check frequency** and select an interval option.

To remove a corporate account from your phone

1. From your **Home screen**, tap .
2. Tap **Settings** > **Accounts & sync**, then tap your corporate account.
3. Press , then tap **Remove account**.
4. Tap **Remove account** again to confirm.

Synchronizing with Facebook™

There are two ways to use Facebook™ on your device. You can use the standard Facebook application to access your online Facebook account, or you can synchronize your Facebook account with your device and share content between Facebook™ and a range of other applications. For example, you can share music in the "WALKMAN" application on your device via Facebook. To synchronize your device with Facebook, you must first set up an "Xperia™ with Facebook" account — a solution developed by Sony to enable easy integration.

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To set up a Facebook™ integration account on your phone

1. From your **Home screen**, tap .
2. Tap **Settings** > **Accounts & sync**.
3. Make sure that synchronization is turned on so that applications can synchronize data automatically.
4. Tap **Add account** > **Xperia™ with Facebook**.
5. Follow the on-screen instructions to create a Facebook™ integration account, or sign in if you already have an account.

You can also set up a Facebook™ integration account on your phone by marking the **Facebook integration** checkbox under **Settings** > **Xperia™** > **Xperia™ with Facebook**.

To synchronize manually with your Facebook™ integration account

1. From your **Home screen**, tap .
2. Tap **Settings** > **Accounts & sync**.
3. Tap the **Xperia™ with Facebook** account.
4. Press , then tap **Sync now**.

To remove a Facebook™ integration account from your phone

When you remove a Facebook™ integration account from your phone, the associated online Facebook account is not deleted, and you can still access it from a computer.

1. From your **Home screen**, tap .
2. Tap **Settings** > **Accounts & sync**.
3. Tap the **Xperia™ with Facebook** account.
4. Press , then tap **Remove account**.
5. Tap **Remove account** again to confirm.

Synchronizing using SyncML™

Synchronize your phone with an Internet server using SyncML™. View and manage contacts, calendar, and bookmarks from your phone just as easily as you would from a computer.

To set up a SyncML™ account in your phone

1. From your **Home screen**, tap .
2. Find and tap **Settings** > **Accounts & sync**.
3. Make sure that synchronization is turned on so your data synchronizes automatically according to the interval you set.
4. Tap **Add account** > **SyncML**.
5. Tap the account, server address, username and password fields, and enter the information required.
6. Tap **Sync interval** and select how often you want the phone to synchronize automatically.
7. Tap an item that you want to synchronize, for example, contacts. Then enter the server address, username, and password. Repeat this step for each item you want to synchronize.
8. When you're finished, tap **Done**.

Contact your SyncML™ service provider for more information about your account settings.

To synchronize manually with your SyncML™ account

1. From your **Home screen**, tap .
2. Tap **Settings** > **Accounts & sync**.
3. Tap the SyncML™ account that you want to synchronize.
4. Press , then tap **Sync now**.

To set a synchronization interval

1. From your **Home screen**, tap .
2. Tap **Settings** > **Accounts & sync**, then tap your SyncML™ account.
3. Tap **Account settings**.
4. Tap **Sync interval** and select an interval option.

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To remove a SyncML™ account from your phone

1. From your **Home screen**, tap .
2. Tap **Settings** > **Accounts & sync**, then tap your SyncML™ account.
3. Press , then tap **Remove account**.
4. Tap **Remove account** again to confirm.

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Maps and locations

About location services

Use your phone to find out where you are. There are two methods: GPS and wireless networks. Enable the wireless networks option if you only need your approximate location, and want it fast. If you want a more exact position, and have a clear view of the sky, enable the GPS option. In situations where the wireless network connection is weak, you should enable both options to ensure that your location is found.

! Sony does not warrant the accuracy of any location services including but not limited to navigational services.

Using GPS

Your phone has a global positioning system (GPS) receiver that uses satellite signals to calculate your location.

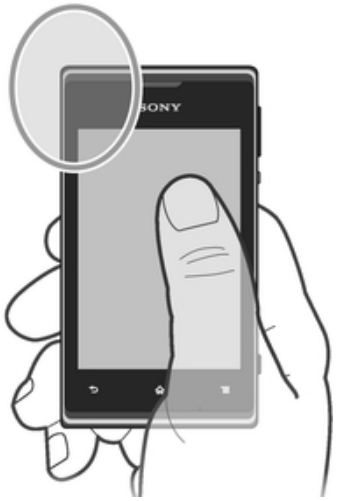
! When you use features that require the GPS receiver to find your location, make sure you have a clear view of the sky.

To enable GPS

1 From your Home screen, tap .
2 Tap **Settings** > **Location services**.
3 Mark the **GPS satellites** checkbox.

Getting the best performance

The first time you use the GPS it can take 5 to 10 minutes for your location to be found. To help the search, make sure you have a clear view of the sky. Stand still and don't cover the GPS antenna (the highlighted area in the image). The GPS signals can pass through clouds and plastic, but not through most solid objects such as buildings and mountains. If your location isn't found after a few minutes, move to another location.



Google Maps™

Track your current location, view real-time traffic situations and receive detailed directions to your destination. Before taking trips, you can download and save maps to your memory card to avoid high roaming costs.

! The Google Maps™ application requires an Internet connection. You may incur data connection charges when you connect to the Internet from your phone. Contact your service

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provider for more information. The Google Maps™ application may not be available in every market, country or region.

To use Google Maps™

1 From your **Home screen**, tap .
2 Find and tap **Maps**.

! If you want to use Google Maps™, you have to enable one of the location methods available under **Settings** > **Location services**.

To learn more about Google Maps™

- When you use Google Maps™, press , then tap **Help**.

Viewing your friends' locations with Google Latitude™

Join Google Latitude™ to view your friends' locations on maps and share your location and other information with them.

Using Google Maps™ to get directions

Use the Google Maps™ application to get directions when you travel by foot, public transportation, or car. You can add a shortcut to a destination on your Home screen to get quick directions from wherever you are.

When you view a map, you make an Internet connection, and data is transferred to your phone. So it's a good idea to download and save maps to your phone before you take a trip. This way, you can avoid high roaming costs.

! Sony does not warrant the accuracy of any directional services.

Using the Navigation application

Use the Navigation application in your phone to get turn-by-turn instructions on how to get places. The directions are both spoken and displayed on the screen.

! The Navigation application may not be available in every market.

To start Navigation

1 From your Home screen, tap .
2 Find and tap **Navigation**.

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Calendar and alarm clock

Calendar

About the calendar

Your phone has a calendar for managing your time schedule. If you have a Google™ account, you can also synchronize your phone calendar with your web calendar. See *Synchronizing your corporate email, calendar and contacts* on page 94.

To set the calendar view

1 From your **Home screen**, tap , then find and tap **Calendar**.
2 Press and select an option.

To view multiple calendars

1 From your **Home screen**, tap , then find and tap **Calendar**.
2 Press , then tap **More** > **My calendars**.
3 Tap to select the calendars you want to view.

To create a calendar event

1 From your **Home screen**, tap , then tap **Calendar**.
2 Press , then tap **New event**.
3 Enter the name, time, location, and description for the event.
4 If desired, select another option under **Repetition**.
5 Select a reminder for the event. To add a new reminder for the event, tap +.
6 Tap **Save**.

When the appointment time approaches, your phone plays a short sound to remind you. Also, appears in the status bar.

To view a calendar event

1 From your **Home screen**, tap , then tap **Calendar**.
2 Tap the event you want to view.

To change the calendar settings

1 From your **Home screen**, tap , then tap **Calendar**.
2 Press , then tap **More** > **Settings**.
3 Tap to open the setting you want to change, and edit as desired.

Alarm clock

About the alarm clock

Use your phone as an alarm clock and select any sound in your phone as your alarm signal. The alarm does not sound if your phone is turned off. But it does sound when your phone is set to silent mode.

To open the alarm clock

1 From your **Home screen**, tap .
2 Find and tap **Clock**.
3 Tap **Set alarm**.

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To set a new alarm

1. From your Home screen, tap .
2. Find and tap **Clock**.
3. Tap **Set alarm**.
4. Tap **Add alarm**.
5. Tap **Time** and adjust the time by scrolling up and down.
6. Tap **Set**.
7. If desired, edit other alarm settings.
8. Tap **OK**.

To edit an existing alarm

1. From your **Home screen**, tap .
2. Find and tap **Clock**.
3. Tap **Set alarm**.
4. Tap the alarm you want to edit.
5. Tap **Time**.
6. Scroll up or down to adjust the time.
7. Tap **Set**.
8. If desired, edit other alarm settings.
9. Tap **OK**.

! The alarm time format displayed is the same as the format you select for your general time settings, for example, 12-hour or 24-hour.

To deactivate an alarm

1. From your **Home screen**, tap .
2. Find and tap **Clock**.
3. Tap **Set alarm**.
4. Unmark the checkbox next to the alarm you want to deactivate.

To activate an existing alarm

1. From your **Home screen**, tap .
2. Find and tap **Clock**.
3. Tap **Set alarm**.
4. Mark the checkbox next to the alarm you want to activate.

To delete an alarm

1. From your **Home screen**, tap .
2. Find and tap **Clock**.
3. Tap **Set alarm**.
4. Touch and hold the alarm you want to delete.
5. Tap **Delete alarm**, then tap **OK**.

To set the ringtone for an alarm

1. From your **Home screen**, tap .
2. Find and tap **Clock**.
3. Tap **Set alarm**.
4. Tap the alarm you want to edit.
5. Tap **Ringtone** and select an option.
6. Tap **Done**, then tap **OK**.

To set a recurring alarm

1. From your **Home screen**, tap .
2. Find and tap **Clock**.
3. Tap **Set alarm**.
4. Tap the alarm you want to edit.
5. Tap **Repeat**.
6. Mark the checkboxes for the desired days, then tap **OK**.
7. Tap **OK**.

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To set the title for an alarm

1. From your **Home screen**, tap .
2. Find and tap **Clock**.
3. Tap **Set alarm**.
4. Tap the alarm you want to edit.
5. Tap **Label** and enter a name for the alarm.
6. Tap **OK**.

To activate the vibrate function for an alarm

1. From your **Home screen**, tap .
2. Find and tap **Clock**.
3. Tap **Set alarm**.
4. Tap the alarm you want to edit.
5. Mark the **Vibrate** checkbox, then tap **OK**.

To set alarms to sound when the phone is in silent mode

1. From your **Home screen**, tap . .
2. Find and tap **Clock**.
3. Tap **Set alarm**.
4. Press . , then tap **Settings**.
5. Mark the **Alarm in silent mode** checkbox.

To snooze an alarm when it sounds

- When the alarm sounds, tap **Snooze**.

To turn off an alarm when it sounds

- When the alarm sounds, tap **Dismiss**.

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Support and maintenance

Updating your phone

Update your phone to the most recent software version to get optimal performance and the latest enhancements.

You can use the Update center application on your phone to run a wireless update, or you can use the PC Companion application on a computer to run an update using a USB cable connection. If you update wirelessly, then you can use either a mobile network or a Wi-Fi® network connection. Just make sure you back up and save all data stored on your phone before you update.

! When you run an update using the Update center application, a data connection is established and related charges may be incurred. Also, the availability of updates over a mobile network depends on your operator. Contact your network operator for more information.

Updating your phone wirelessly

Use the Update center application to update your phone wirelessly. You can download software updates manually, or you can allow Update service to update your phone automatically whenever downloads become available. When the automatic update feature is activated, a notification appears in the status bar every time an update becomes available.

To download software updates manually from Update center

1. From your Home screen, tap .
2. Find and tap **Update Center**.
3. Select the desired application or system update and tap **Download**, or tap **Update all** to download all application updates.

! Application updates launch automatically after download. With system updates, wait for your phone to restart, then install the update manually. Also, you may incur data connection charges when downloading updates over 3G/mobile networks.

To activate automatic software updates from Update center

1. From your Home screen, tap .
2. Find and tap **Update Center**.
3. Press , then tap **Settings**.
4. Tap **Allow automatic downloads** and select whether to download updates via 3G and Wi-Fi® networks, or via Wi-Fi® networks only. Updates are now downloaded automatically as soon as they become available.

! You may incur data connection charges when downloading updates over 3G/mobile networks.

To install system updates

1. From your Home screen, tap .
2. Find and tap **Update Center**.
3. Select a system update you want to install, then tap **Install**.

Updating your phone using a USB cable connection

Some updates are not available for wireless download. Notifications appear in the status bar to inform you of such updates. To download and run the updates, you need a USB cable and a computer running the PC Companion application. You can install PC Companion on the computer using installation files saved on your phone, or you can download the application directly from *PC Companion*.

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To download the PC Companion application from your phone

1. Connect your phone to a computer using a USB cable.
2. When prompted, follow the instructions in the phone to launch the installation of PC Companion on the computer.

PC Companion can also be downloaded from *PC Companion*.

To download software updates using a USB cable connection

1. Install the PC Companion application on the computer you are using, if it is not already installed.
2. Connect your phone to the computer using a USB cable.
3. **Computer**: Launch the PC Companion application. After a few moments, PC Companion detects your phone and searches for new phone software.
4. **Phone**: When notifications appear in the status bar, follow the on-screen instructions to carry out the relevant software updates.

To update your phone using an Apple® Mac® computer

1. Install the Bridge for Mac application on the Apple® Mac® computer you are using, if it is not already installed.
2. Using a USB cable, connect your phone to the Apple® Mac® computer.
3. **Computer**: Launch the Bridge for Mac application. After a few moments, Bridge for Mac detects your phone and searches for new phone software.
4. **Computer**: If a new phone software update is detected, a popup window appears. Follow the on-screen instructions to carry out the relevant software updates.

The Bridge for Mac application can be downloaded from *Bridge for mac*.

Locking and protecting your phone

IMEI number

Every phone has a unique IMEI (International Mobile Equipment Identity) number. You should keep a copy of this number. If your phone is stolen, your network provider can use your IMEI number to stop the phone from accessing the network in your country.

To view your IMEI number

- Turn off your phone, then remove the battery cover and battery to view your IMEI number.
- Open the phone dialer on your device and enter *#06#*.

To view your IMEI number in the phone

1. From your **Home screen**, tap .
2. Find and tap **Settings** > **About phone** > **Status**.
3. Scroll to **IMEI** to view the **IMEI** number.

SIM card protection

The SIM card lock only protects your subscription. Your phone will still work with two new SIM cards. If one of the SIM card lock is on, you have to enter a PIN (Personal Identity Number). If you enter your PIN incorrectly more times than the maximum number of attempts allowed, your SIM card will become blocked. You need to enter your PUK

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(Personal Unblocking Key) and then a new PIN. Your PIN, PIN2, and PUK are supplied by your service provider.

To enable the SIM card PIN lock

1. From the **Home screen**, tap .
2. Find and tap **Settings** > **Security** > **Set up SIM card lock**.
3. Tap **Lock SIM card**.
4. Enter the SIM card PIN and tap **OK**.

To change the SIM card PIN

1. From the **Home screen**, tap .
2. Find and tap **Settings** > **Security** > **Set up SIM card lock**.
3. Tap **Change SIM PIN**.
4. Enter the old SIM card PIN and tap **OK**.
5. Enter the new SIM card PIN and tap **OK**.
6. Retype the new SIM card PIN and tap **OK**.

To change the SIM card PIN2

1. From the **Home screen**, tap .
2. Find and tap **Settings** > **Call settings**
3. Tap **Fixed dialing numbers** > **Change PIN2**.
4. Enter the old SIM card PIN2 and tap **OK**.
5. Enter the new SIM card PIN2 and tap **OK**.
6. Confirm the new PIN2 and tap **OK**.

To unblock a locked SIM card

1. When **Enter PUK and new PIN code** appears, enter the PUK code.
2. Enter a new PIN code and tap **OK**.

If you enter an incorrect PUK code too many times, the SIM card becomes blocked. If this happens, contact your service provider to get a new SIM card.

Setting a screen lock

To set a screen lock

1. From your **Home screen**, tap > **Settings** > **Security** > **Screen lock**.
2. Select an option.

It is very important that you remember your screen unlock pattern, PIN or password. If you forget this information, it may not be possible to restore important data such as contacts and messages. Refer to Sony Customer support for more information.

To create a screen unlock pattern

1. From the **Home screen**, tap .
2. Find and tap **Settings** > **Security** > **Screen lock** > **Pattern**.
3. Follow the instructions in your phone. You are asked to select a security question that will be used to unlock the phone if you forget your screen unlock pattern.

To unlock the screen using a screen unlock pattern

1. Activate the screen.
2. Draw your screen unlock pattern.

If the unlock pattern you draw on the screen is rejected five times in a row, you can select to either wait 30 seconds and then try again, or to answer the security question you have selected.

To change the screen unlock pattern

1. From your **Home screen**, tap .
2. Find and tap **Settings** > **Security** > **Screen lock**.
3. Draw your screen unlock pattern.
4. Tap **Pattern**.
5. Follow the instructions in your phone.

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To disable the screen unlock pattern

1 From your Home screen, tap > **Settings** > **Security** > **Screen lock**.
2 Draw the screen unlock pattern.
3 Tap **Slide**.

To create a screen unlock PIN

1 From your Home screen, tap > **Settings** > **Security** > **Screen lock** > **PIN**.
2 Enter a numeric PIN.
3 If necessary, tap to minimize the keyboard.
4 Tap **Continue**.
5 Re-enter and confirm your PIN.
6 If necessary, tap to minimize the keyboard.
7 Tap **OK**.

To disable the screen unlock PIN

1 From your **Home screen**, tap > **Settings** > **Security** > **Screen lock**.
2 Enter your PIN, then tap **Next**.
3 Tap **Slide**.

To create a screen lock password

1 From your **Home screen**, tap > **Settings** > **Security** > **Screen lock** > **Password**.
2 Enter a password.
3 If necessary, tap to minimize the keyboard.
4 Tap **Continue**.
5 Re-enter and confirm your password.
6 If necessary, tap to minimize the keyboard.
7 Tap **OK**.

To disable the screen unlock password

1 From your **Home screen**, tap > **Settings** > **Security** > **Screen lock**.
2 Enter your password and tap **Next**.
3 Tap **Slide**.

Finding your device

There are several ways to find and protect your device if you ever lose it. Using the “my Xperia” service, you can:

- Look for your device on a map.
- Sound an alert which works even if the device is in silent mode.
- Remotely lock the device and display your contact information on it.
- Remotely wipe the internal and external memories on the device as a last resort.

If the “my Xperia” service is activated on your device, all you have to do is go to *myxperia.sonymobile.com* and sign in using your Google™ account. If the service is not activated, you can activate it manually via the **Settings** menu.

! The “my Xperia” service may not available in all countries/regions.

To activate the “my Xperia” service manually

1 Drag the status bar downward, then tap .
2 Tap **Xperia™** > **MyXperia™** > **Activate**.
3 Mark the checkbox, then tap **Accept**.

Help application

To access the Help application

1 From your Application screen, find and tap .
2 Find and tap the required support item.

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Recycling your phone

Got an old phone lying around the house? Why not recycle it? By doing so, you will help us reuse its materials and components, and you'll protect the environment, too! Find out more about the recycling options in your region at *blogs.sonymobile.com/about-us/sustainability/commitment/overview/*.

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Reference

Phone settings overview

Get to know the settings on your phone so you can personalize them to your own requirements.

Wi-Fi	Turn Wi-Fi® on or off, scan available Wi-Fi® networks, or add a Wi-Fi® network.
Bluetooth	Turn Bluetooth™ on or off, search for available Bluetooth™ devices, and make your phone visible or invisible to other Bluetooth™ devices.
Data usage	Turn the mobile data traffic on or off, and keep track of your data usage details over a specific time.
More…	Turn Airplane mode on or off, configure settings for VPN and Mobile networks, and enable your phone to share its mobile data connection as a portable Wi-Fi® hotspot, or through USB tethering or Bluetooth™ tethering.
Call settings	Manage and configure settings for fixed dialing numbers, voicemail, and Internet calls.
Sound	Configure how your phone rings, vibrates, or alerts you when you receive communications. You can also use these settings to set the volume level for music, video, games, or other media with audio, and to make related adjustments.
Display	Enable your phone screen to switch orientation when you rotate your phone. You can also set the brightness, font size, wallpaper, and screen timeout.
Storage	Check out the available space in your phone's internal storage and on the SD card. You can also erase the SD card, or unmount it for safe removal.
Battery	View your phone's battery status. You can also see how much battery power is remaining, and how different applications consume battery power.
Apps	Manage running applications, downloaded applications, and applications on the SD card.
Xperia™	Configure the USB connection mode, network connection type, and Internet settings. You can also enable Facebook features inside applications.
Accounts & sync	Enable your phone to synchronize data with the synchronization accounts that you add.
Location services	Enable or disable Google's location service, GPS satellites, and Location & Google search.
Security	Protect your phone by setting up different locks and passwords. You can also allow applications not from Google Play™ to be installed.
Language & input	Select the phone language, adjust text input options, add words to the personal dictionary, and configure speech settings.
Backup & reset	Back up your data and reset your phone.
Date & time	Set the time and date, or choose the network-provided values. Select your preferred date and hour format.

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Accessibility	Enable your installed accessibility services and adjust related settings.
Developer options	Set options for application development. For example, you can show CPU usage on the phone display and show visual feedback for touches. You can also set the phone to enter debug mode when USB is connected.
About phone	View information about your phone, such as the model number, firmware version, phone number, and signal. You can also update your software to the latest version.

Status and notification icons overview

Status icons

The following status icons may appear on your screen:

	Signal strength
	No signal
	Roaming
	GPRS is available
	EDGE is available
	3G is available
	Sending and downloading GPRS data
	Sending and downloading EDGE data
	Sending and downloading 3G data
	Battery status
	The battery is charging
	GPS is activated
	Flight mode is activated
	The Bluetooth™ function is activated
	The SIM card is not inserted
	The microphone is muted
	The speakerphone is on
	Silent mode
	Vibrate mode
	An alarm is set
	Synchronization is ongoing
	Problem with sign-in or synchronization
	A Wi-Fi® connection is enabled and wireless networks are available

Notification icons

The following notification icons may appear on your screen:

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	New email message
	New text message or multimedia message
	New voicemail
	An upcoming calendar event
	A song is playing
	The phone is connected to a computer via a USB cable
	Warning message
	Error message
	Missed call
	Call ongoing
	Call on hold
	Call forwarding on
	Software updates available
	Downloading data
	Uploading data
	More (undisplayed) notifications

Application overview

	Use the Clock application to set various kinds of alarms.
	Use your web browser to navigate and view web pages, manage bookmarks, and manage text and images.
	Use the Calculator application to perform basic calculations.
	Use the Calendar application to keep track of your events and manage your appointments.
	Use the camera to take photos and record video clips.
	Use the Contact application to manage phone numbers, email address, and other information related to your contacts.
	Access your downloaded applications.
	Use the Email application to send and receive emails through both private and corporate accounts.
	Use the Facebook application to engage in social networking with friends, family members, and colleagues around the world.
	Browse and listen to FM radio stations.
	Use the Gallery application to view and to work with your photos and videos.
	Use the Gmail™ application in your phone to read, write, and organize email messages.
	Search for information in your phone and on the web.
	Use the Latitude application to view your friends' locations on a map and share your location.

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	View your current location, find other locations, and calculate routes using Google Maps™.
	Go to Google Play™ to download free and paid applications for your phone.
	Use the Messaging application to send and receive text and multimedia messages.
	Use the WALKMAN application to organize and play music, audio books, and podcasts.
	View the updates of music and videos that your friends have shared on Facebook.
	Navigate your way using spoken, turn-by-turn instructions.
	View news stories and weather forecasts.
	Make phone calls by dialing the number manually.
	Search for places, for example, restaurants and cafés.
	Optimize phone settings to suit your own requirements.
	Use the Setup guide application to learn about basic functions and to get help setting up the phone.
	Use the Google Talk™ application to chat with friends online.
	Identify music tracks that you hear playing in your surroundings, and get artist, album, and other info.
	Use the Help application to access user support directly in the phone. For example, you can access a User guide, troubleshooting information, plus tips and tricks.
	Use YouTube™ to share and view videos from around the world.
	Download and install new applications and updates.

! Some applications are not supported by all networks and/or service providers in all areas.

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Important information

Important information leaflet

Before you use your device, please read the *Important information* leaflet provided in the Setup guide in your device or in the box.

To access the setup guide manually

1 From the **Home screen**, tap .
2 Tap **Settings** > **Setup guide**.

Limitations to services and features

! Some of the services and features described in this user guide are not supported in all countries/regions or by all networks and/or service providers in all areas. Without limitation, this applies to the GSM International Emergency Number, 112. Please contact your network operator or service provider to determine availability of any specific service or feature and whether additional access or usage fees apply.

Use of certain features and applications described in this guide may require access to the Internet. You may incur data connection charges when you connect to the Internet from your phone. Contact your wireless service provider for more information.

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